

II



BOROUGH OF NELSON

**ANNUAL
REPORT
of the
Medical Officer of Health
1971**

B O R O U G H O F N E L S O N

A N N U A L R E P O R T

O F T H E

M E D I C A L O F F I C E R O F H E A L T H

1 9 7 1

P. G. Holt, M.B., Ch.B., D.P.H.,

Medical Officer of Health.

B O R O U G H O F N E L S O N

H E A L T H C O M M I T T E E

Councillor J. F. Spencer (Chairman)

Councillor J. Greenwood (Vice-Chairman)

The Mayor (Councillor A. Ff. Evans) (Ex-officio)

Alderman P. S. Cox

" Mrs. E. Kay

" J. Shepherd

Councillor P. Barnes

" Mrs. E. Cook

" G. R. Ingham

" K. McClave

" F. Mansfield

" K. Murray

" W. Punt

" D. Rigby

" B. M. Rothwell

" Miss J. Smith

LIST OF LOCAL AND ADOPTED SANITARY ACTS ADMINISTERED
BY THE COUNCIL

Nelson Water and Gas Act, 1866

Nelson Local Board Act, 1879

Nelson Improvement Act, 1886

Nelson Local Board Act, 1888

Nelson Corporation Act, 1903

Nelson Provisional Orders, 1871, 1873, 1876, 1890, 1895, 1897, 1899, 1904

Borough of Nelson (Extension) Orders, 1897

The Public Health Acts Amendment Act, 1890, adopted 1891

The Infectious Diseases (Prevention) Act, 1890, adopted 1896

The Public Health Acts Amendment Act, 1907, parts adopted 1912

The Nelson Corporation Act, 1921

The Public Health Act, 1925, except Sections 15, 35 and 41

LIST OF BYE-LAWS RELATING TO SANITARY MATTERS
IN FORCE IN THE BOROUGH

Dates of Adoption

1890	Common Lodging Houses
1897	Offensive trades: Blood Boiler, Blood Drier, Bone Boiler, Fellmonger, Tanner, Leather Dresser, Soap Boiler, Tallow Melter, Fat Melter, Tripe Boiler, Glue Maker, Size Maker, Gut Scraper
1897	Nuisances
1897 & 1907	Slaughterhouses
1911	Dairies, Cowsheds and Milkshops Regulations
1931	Sanitary Conveniences
1939	Buildings
1951	Clean Food Bye-laws
1953	Regulating the emission of Black Smoke
1958	Good Rule & Government and Prevention of Nuisances
July 1960	Clean Air Act, 1956 - Section 24 - Bye-laws

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STAFF OF THE PUBLIC HEALTH DEPARTMENT

Medical Officer of Health	P. G. Holt, M.B., Ch.B., D.P.H.
Senior Public Health Inspector	F. Grindrod, M.A.P.H.I.
Deputy Senior Public Health Inspector	H. Farrell, M.A.P.H.I.
Additional Public Health Inspector	J. H. Thompson, M.A.P.H.I., A.R.S.H.
Chief Clerk	N. Griffiths
Clerks	Mrs. M. P. Hardwick
	Mrs. E. Peel
Technical Assistant - Smoke Control (Temporary)	F. Chippendale

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Public Health Department,
21 Carr Road,
NELSON

29th June, 1972.

To the Chairman and Members of the Health Committee

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my Annual Report on the Health and Sanitary conditions of the Borough for the year ending 31st December, 1971. The layout follows the usual pattern and the contents include all items requested by the Department of Health and Social Security.

The Registrar-General's estimate of population shows a considerable increase over 1970, although the 1971 Census would indicate that this may be slightly optimistic. In any case, the decline in population of recent years would appear to have been arrested.

The vital statistics for the town are very satisfactory with death rate down, infant mortality down and still births at a record low level. Infectious disease was well controlled apart from our usual above-average incidence for Tuberculosis, but even this figure of 22 notified cases was 7 less than the previous year. Following the pattern of previous years, in 1971 all but 3 of the notified cases of Tuberculosis were Asian Immigrants.

Progress is also being made in the environmental improvements to the town, which is so important to the health and well being of its citizens. The relatively small number of unfit houses are gradually being cleared, while the large stock of otherwise good houses which lack modern amenities are being brought up to standard with the assistance of generous grants. The town should be 100% smokeless by July, 1973, and people will come to expect clean air as much as a pure water supply.

I hope that members will find something of interest in the pages which follow. A report such as this is largely statistical, and figures do not make easy reading. Its value lies largely in the future as a record of the health of the town for the year 1971, to be compared and contrasted with progress yet to be made; in fact, a historical document.

I would like to thank the Chairman and Members of the Health Committee for their interest and support of the work of the Department during the year, and all members of the Health Department for the efficient and helpful way in which they have carried out their duties.

I have the honour to be, Ladies and
Gentlemen,

Your obedient Servant,

P. G. HOLT,

Medical Officer of Health.

ACKNOWLEDGEMENT

As in former years some information given in this report has been supplied by other corporation departments and also from external sources. This continued co-operation is greatly appreciated and I express my grateful thanks to the following officials for their kindness.

Mr. H. Barton,	Director of Public Cleansing, Nelson
Mr. J. Buckley,	Housing Superintendent
Dr. J. I. Capper,	Medical Director, Mass Radiography Unit, 13B, Eaves Lane Hospital, Chorley.
Dr. C. H. T. Wade,	County Medical Officer of Health, County Offices, Preston.
Mr. W. Knight,	Borough Treasurer, Nelson
Registrar General,	General Register Office, Somerset House, London, W.C.2.
Mr. E. Robinson,	Borough Engineer and Surveyor, Nelson
Mr. C. D. Barnes,	Engineer, North Calder Water Board, Nelson
Mr. T. H. Slater,	Manager, Department of Employment and Productivity, Nelson.

S E C T I O N A

S T A T I S T I C S A N D S O C I A L C O N D I T I O N S

O F T H E A R E A

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area in acres	3,446
Ordnance Level, Lowest point	350 feet
Ordnance Level, Highest point	1,100 feet
Ordnance Level, centre of town	458 feet
Drainage of surface water - Natural, chiefly to Walverden Stream and Pendle Water	
Subsoil - Clay with understratum of sandstone and out-croppings of coal	
Population - Registrar General's estimate of home population mid-year 1971	
	31,560
Census, 1971	31,225
Census, 1961	32,292
Census, 1951	34,384
Houses - Number inhabited at:	
End of 1971, according to Rate Books	11,964
Census, 1961	12,110
Census, 1951	12,162
- Number uninhabited at:	
End of 1971 according to Rate Books	477
Census, 1961	364
Census, 1951	222
Rateable Value at 31st December, 1971	£903,368
General Rate, 1971/72 (p. in the £) -	Dwellinghouses 80p.
	Mixed Hereditaments 85p.
	Other Hereditaments 89½p.
Sum represented by a penny rate, 1971/72	£8,220

The estimated cost of the Local Health Service for the financial year 1971/72 was £41,320 which is equivalent to a rate of 5.03p. in the £.

The Registrar General's estimate of the home population for mid-1971 was an increase of 760 on the estimate for the previous year.

SOCIAL AND INDUSTRIAL CONDITIONS

The chief industries are the manufacture of cotton, rayon, silk, surgical dressings, furniture, packing cases and cartons, light engineering and distributive trades.

Employment for women was provided particularly by many of the new firms and working hours have been adjusted, including evening shifts to attract and suit those who are married.

Throughout 1970 unemployment was at a high level, reaching a peak of 5.5% in August, although there was a decrease towards the end of the year because of the engagement of seasonal workers, particularly by a mail order firm which had moved into the area earlier during the year.

Five firms completely closed-down during the year, four of which were in textiles. Two fairly large redundancies and several smaller ones occurred and a few firms were on regular short-time.

Apart from the mail order firm already mentioned, two other firms started-up in the area, a small weaving firm and a firm of reinforced fibre-glass manufacturers.

Unemployment rose again after Christmas and a forecast of further contraction in textiles was made. However, several firms showed interest in the "Advance Factories" being built on the White Walls Estate and a few existing firms have plans for expansion during 1972.

CLIMATOLOGICAL CONDITIONS

Observations are taken daily at 09.00 hours G.M.T. at the Climatological Station, Walton Lane, Nelson. Comments on the weather conditions and statistical information apertaining thereto are submitted as follows

January

It was a mild, dry month. The first five days were cold with day temperatures 6-7°F. below normal. A considerable change occurred on the 6th, when the maximum temperature rose some 15° into the fifties and remained there for five days. On the 11th it dropped again to normal limits and remained around average, or a little above, until month-end. Night temperatures showed a similar graph pattern.

In spite of this, air and ground frost was recorded for the first six days and again on a few other days.

The maximum and minimum mean temperatures were around 3°F. above average for the month.

There was only 60% of average rainfall but the amount of bright sunshine recorded was 16% short of average.

February

It was another rather dull, mild and reasonably dry month with temperatures generally above average. There were a couple of cold days at the start of the month, and another cold spell 15th - 17th. Both the mean maximum and minimum temperatures were 2°F. above average.

Although there were 18 days without measurable rainfall there was a wet spell about the middle of the month, one day having a little over an inch of rainfall, so that the total for the month was almost 90% of average.

There were two or three sunny days, but bright sunshine was recorded on only 14 days, the total for the month being 85% of average.

Excluding last year when no records were available, it was the dullest February since 1966 and the wettest since 1967.

March

The first week was very cold, particularly from the 3rd - 6th, the day and night temperatures were well below average. Improvement followed and day temperatures were then around average, but night temperatures fluctuated. The air minimum temperature was below 32°F. on 13 days and the grass minimum below that level on 17 days. The mean maximum and mean minimum temperatures were 1.8°F. and 1.2°F. below average respectively.

There were four or five quite sunny days and only nine days without bright sunshine, but the total recorded was only 79.7% of average.

Although there were 16 days without rain, the total for the month exceeded the average by a fifth, a quarter of the total having fallen in one day, the 24th.

April

Although there were two rather cold periods from the 1st - 5th and 24th - 27th, there were several warm days. On the 11th and 15th the maximum temperature rose to 60°F., and there was a warm period 20th - 23rd, the maximum temperature reaching the 60°F. again on the 21st and 22nd. In spite of this, the mean maximum temperatures were a degree or so below average. Ground frost was recorded on 13 days and air frost on 4.

Until the 22nd there were only two days, the 15th and 16th with any rainfall, and that was negligible. From then until month-end 1.76" was measured but that was only 63% of normal. Excluding last year when records were not available, it was the driest April since 1967.

Only three days had no sunshine, and there were nine or ten quite sunny days, especially the 25th when 10.9 hours was recorded, but the total for the month was a few hours below average.

May

During the first half it was comparatively warm, day temperatures being generally above average by 8°-9°F. some days, but from the 15th onwards, apart from two days, the 21st and 22nd, day temperatures were often below average. Night temperatures followed a similar pattern. However, both the maximum and minimum mean temperatures for the month were a little above normal.

It was a very bright month, there were only two days without bright sunshine and eleven days with ten or more hours, so that the total for the month was 49 hours or 28%, in excess of average.

June

This was a cool, dull, but dry month. The first couple of days were warm, there being over 14 hours of bright sunshine and a maximum temperature of 67°F. recorded on the 2nd, but temperatures fell on the 3rd and remained sub-normal generally around the middle fifties, until the 23rd.

During this period the minimum (night) temperature on two nights dropped to the upper thirties, and one of those nights (10th) the grass minimum thermometer recorded 31.6°F. The mean maximum and minimum temperatures were 4.6°F. and 2.4°F. below normal respectively, and it was the coolest June for many years.

There were few really sunny days so that the total bright sunshine recorded was short of 84% of average. However, the rainfall also was short of average for the month by 15%.

July

The first fortnight was really summer weather, fine, very bright and most days extremely warm, in fact on five days the maximum temperature was in the upper seventies and one day (the 8th) reached 80.9°F. Following this period, day temperatures remained around average until the last few days when there were again readings of from 4° - 12°F. above average. The mean maximum temperature for the month was 4°F. above average, although the mean minimum was normal.

Until the 22nd there was no measurable rainfall, but it then rained every day except two (28th and 29th) until month-end, almost one inch being recorded on the 23rd. The total for the month was only 0.37" less than normal.

Most remarkable was the amount of bright sunshine. On thirteen days the daily amount was into double figures, ranging from 10.3 to 14.1 hours, and the total for the month was as much as 50.8% above average. Excluding last year, for which unfortunately figures were not available, it was the sunniest July since 1955.

August

During the first two weeks there was rain every day except three (2nd, 7th and 11th) and several days were very wet, particularly the 10th and 13th with almost an inch each day. Actually 80% of the total rainfall for the month fell during this period. Apart from a trace on the 21st, there was then no measurable rainfall until the 26th, then it rained each day until the 30th. The total for the month was 7% above average and it was the wettest August since 1967.

There were only four really sunny days (2nd, 17th, 20th and 25th with 10½ - 11 hours) and the total for the month was less than 92% of average. It was the dullest August since 1967.

From the 17th - 20th and again on the 25th and 26th, it was quite warm with temperatures around the 70°F. mark, but these were offset by several quite cool days and nights, so that the mean maximum (day) and minimum (night) temperatures were each a little below average.

September

This was a very dry, warm, sunny month.

The maximum temperature was above average on all but nine days, and on four days, the 6th, 7th, 8th and 22nd, it was 70°F. or a little above, so that the mean for the month was 2.6°F. above average. Although the minimum temperature was a few degrees above average several nights, there were as many occasions when it was as far below, so that the mean for the month was less than 1°F. above normal. It was the warmest September for 10 years.

Bright sunshine was recorded on all but three days. From the 4th-12th inclusive was a very sunny period, there being 8 to 10½ hours each day. The monthly total was 145% of average, the sunniest September since 1959.

Although rainfall was recorded on eleven days, on half of those occasions it was little more than a trace. There was no really wet day and the total for the month was only 26% of average. It was the driest September since 1959.

October

The first eleven days were quite warm with day and night temperatures generally well above normal, and four days were quite sunny. From the 13th-16th inclusive was much cooler with subnormal temperatures and some ground frost and air frost on the 14th and ground frost again on the 15th. An improvement followed and on the 22nd and 23rd the day temperatures were in the middle sixties but settled to around average for the remainder of the month. During this latter period there were several comparatively cold nights, in fact on two occasions, the 25th and 26th, a touch of ground frost was recorded again. The mean maximum and minimum temperatures for the month were each a little above normal, by 1.7°F. and 1.2°F. respectively.

Although there were many very sunny days and the total bright sunshine recorded was 31.3% above average, the total rainfall measured was 11.5% above normal, but almost half of the total measured fell during one day, the 18th with 1.79", so that apart from that day it was quite a dry month.

November

The first five days were quite warm with temperatures above average by several degrees, particularly on the 2nd when the maximum temperature rose to 59.8°F., almost 12°F. above average.

Day temperatures for the month showed three periods with daily temperatures average or above, 1st-7th, 11th-17th and 24th-27th, and these were alternated with cold periods 8th-10th, 18th-23rd and 28th-30th. During the latter periods many of the days were quite cold with temperatures anything from 6°- 11°F. below average, and night temperatures followed a similar pattern. Ground frost was recorded on 16 days and air frost on 15.

In spite of the cooler periods, the mean maximum temperature for the month was less than 1°F. below normal, although the mean minimum (night) temperature was 3°F. below normal.

There were three days with a rainfall of between 0.8" and 1.0" and although rain fell on 14 other days the total for the month was almost 3.0% less than average.

Bright sunshine was recorded on 21 days and many of these were quite sunny, particularly the 13th with a total of 7.4 hours. The total for the month was almost 168% of average.

December

This was a comparatively mild month, although with rather less than average sunshine.

After the first two days the maximum daily temperature remained above normal until the 26th, by as many as 8°- 10°F. on three or four days, and by 13°F. on the 20th when the reading was 56.0°F. Although the 3rd and 4th were cold nights with air frost, the minimum temperature each night from the 3rd to the 27th (with one exception the 23rd) was well above normal by anything from 4°- 13°F. From the 28th until month-end both the maximum and minimum readings were around average.

Whilst rain was measured on 17 days, there were no really wet days (the wettest being the 19th and 23rd with less than 4/10th inch) and the total for the month was less than 21% of average.

In spite of this there was less than average bright sunshine, 13.3 hours against an average of 17.0 hours.

The warmest day of the year was 8th July when the maximum temperature in the shade reached 80.9°F., and the coldest days were the 3rd and 4th January when the minimum shade temperature each day was 20.6°F. The lowest temperature on the grass was 15.6°F. on the 20th November.

Bright sunshine was recorded on 277 days and the total was 1,303.0 hours, which was 12% more than average and gave a mean daily amount of 3.5 hours. The sunniest month was July with a total of 228.9 hours and the sunniest days were 2nd June and 13th July with 14.1 hours each.

Rainfall, or some form of precipitation, occurred on 179 days and the total measured during the year was 34.55 inches, or 78.8% of average. The wettest day was the 18th October when 1.79 inches was measured, and the wettest months August with 5.05 inches and November with 4.25 inches. The driest months were December and September with only 1.04 inches and 1.07 inches respectively.

CLIMATOLOGICAL CONDITIONS

THERMOMETER READINGS AND MEAN TEMPERATURES - 1971

Month	In Screen										Mean Range	On Grass			In Ground		
	Maximum					Minimum						Mean Temp.	Mean Min.	Lowest Temp.	Day of Month	Mean Temp	
	Mean	Highest Max. Temp.	Day of Month	Lowest Max. Temp.	Day of Month	Mean	Highest Min. Temp.	Day of Month	Lowest Min. Temp.	Day of Month							
January	43.6	54.8	10	34.0	1, 4	34.0	48.2	10	20.6	3, 4	38.8	9.6	31.1	17.5	4	37.8	41.1
February	43.5	49.0	12	32.6	15	34.2	41.2	25	21.6	16	38.8	9.3	32.0	22.5	2	38.7	41.0
March	44.6	51.0	29	35.0	4	33.6	44.4	29	24.4	4	39.1	11.0	31.7	21.2	10	39.6	40.9
April	50.9	64.0	22	43.4	4	37.2	49.0	23	27.0	28	44.0	13.7	34.8	23.0	28	44.9	43.9
May	59.3	66.4	6	51.5	1	43.3	53.0	10	31.8	2	51.3	16.0	40.4	29.5	2	52.1	48.3
June	58.2	67.0	2	52.0	13	45.9	53.2	25	36.8	15	52.1	12.3	44.3	31.6	10	54.1	51.6
July	68.4	80.9	8	59.0	14	51.6	59.8	3	42.8	19	60.0	16.8	48.9	36.4	19	60.6	56.2
August	64.0	72.0	20	57.8	30	51.7	56.4	29	42.8	17	57.8	12.3	Not available			60.0	57.8
September	63.3	72.8	8	55.0	25	48.0	55.0	9	40.6	27	55.7	15.3	Not available			57.5	56.8
October	56.5	67.8	2	45.8	13	44.8	54.4	8	31.6	14	50.6	11.7	39.0	22.6	15	52.4	54.1
November	46.7	59.8	2	36.0	19	35.5	48.4	3	23.2	20	41.1	11.2	31.4	15.6	20	43.6	48.2
December	47.0	56.0	20	37.0	29	39.5	45.9	25	26.6	3	43.3	7.5	36.0	20.0	3	42.7	45.3

CLIMATOLOGICAL CONDITIONSBRIGHT SUNSHINE - 1971

Month	Total Bright Sunshine (hours)	Mean Daily Bright Sunshine (hours)	Highest in one day		No. of days with Bright Sunshine	No. of days without Bright Sunshine
			Amount (hours)	Day of month		
January	21.8	0.7	5.1	25	12	19
February	42.1	1.5	6.6	21	14	14
March	70.8	2.3	7.6	2	22	9
April	117.4	3.9	10.9	25	27	3
May	222.1	7.2	13.1	14	29	2
June	147.4	4.8	14.1	2	27	3
July	228.9	7.4	14.1	13	31	0
August	121.1	3.9	11.1	2	27	4
September	152.1	5.1	10.6	5	27	3
October	101.9	3.3	8.8	14	27	4
November	64.1	2.1	7.4	13	21	9
December	13.3	0.4	3.4	29	13	18

CLIMATOLOGICAL CONDITIONSRAINFALL AND HUMIDITY - 1971

Month	Mean Relative Humidity %	Total Rainfall		Mean Daily Rainfall		Greatest amount in one day			No. of days with rain	No. of days with- out rain
		Inches	Milli- metres	Inches	Milli- metres	Inches	Milli- metres	Day of month		
January	89.7	2.41	61.2	0.08	1.97	0.65	16.5	20	17	14
February	91.2	3.06	77.7	0.11	2.77	1.04	26.4	12.	13	15
March	85.0	3.11	79.0	0.10	2.55	0.83	21.1	24	17	14
April	78.2	1.76	44.7	0.06	1.49	0.65	16.5	23.	9	21
May	73.6	2.65	67.3	0.09	2.17	0.68	17.3	6	14	17
June	76.0	2.43	61.7	0.08	2.06	0.58	14.7	18	18	12
July	75.0	3.58	90.9	0.12	2.93	0.96	24.4	23	12	19
August	82.5	5.05	128.3	0.16	4.14	0.91	23.1	10	18	13
September	85.1	1.07	27.2	0.04	0.91	0.37	9.4	29	11	19
October	85.0	4.14	105.2	0.13	3.41	1.79	45.5	18	16	15
November	85.0	4.25	108.0	0.14	3.60	0.95	24.1	20	17	13
December	91.0	1.04	26.4	0.03	0.85	0.37	9.4	22	17	14

CLIMATOLOGICAL CONDITIONSRAINFALL

Comparative Table showing amounts measured at various points during 1971 with monthly averages, and during the previous nine years with annual averages

Month or Year	Ogden Reservoir (Inches)	Sewage Works (Inches)	Coldwell Reservoir (Inches)	Climatological Station (Cemetery) (Inches)
January	2.79	1.79	3.15	2.41
February	3.77	2.57	3.32	3.06
March	3.40	2.54	3.76	3.11
April	1.84	1.65	1.80	1.76
May	2.93	2.24	3.50	2.65
June	3.25	2.25	3.03	2.43
July	3.62	2.49	4.61	3.58
August	6.84	5.39	5.73	5.05
September	2.03	1.23	1.40	1.07
October	5.67	3.38	4.59	4.14
November	5.57	4.15	5.34	4.25
December	1.70	1.39	2.00	1.04
Totals	43.41	31.07	42.17	34.55
Monthly Averages	3.62	2.59	3.51	2.88
1961	63.81	47.79	52.17	47.80
1962	54.40	41.53	45.03	40.14
1963	49.42	35.63	44.81	39.39
1964	54.35	42.32	48.26	38.63
1965	61.36	46.54	53.35	47.32
1966	64.16	49.03	58.35	50.21
1967	67.88	48.76	61.63	53.05
1968	62.77	44.58	57.50	51.75
1969	48.93	36.13	45.10	Incomplete record
Annual Averages	58.56	43.59	51.80	

VITAL STATISTICSLIVE BIRTHS:

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	260	221	481
Illegitimate	15	9	24
	<u> </u>	<u> </u>	<u> </u>
Total	275	230	505
	<u> </u>	<u> </u>	<u> </u>

Illegitimate live births percentage of total live births	4.7%
Live Birth Rate per 1,000 estimated population - Crude	16.0
Adjusted	18.2
Comparability Factor	1.14

STILL BIRTHS:

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	1	2	3
Illegitimate	-	-	-
	<u> </u>	<u> </u>	<u> </u>
Total	1	2	3
	<u> </u>	<u> </u>	<u> </u>

Still Birth Rate per 1,000 total (live and still) Births	5.9
Still Birth Rate per 1,000 estimated population	0.09
Still Births as percentage of total births	0.59%

TOTAL LIVE AND STILL BIRTHS:

<u>Males</u>	<u>Females</u>	<u>Total</u>
276	232	508

DEATHS:

<u>Males</u>	<u>Females</u>	<u>Total</u>
230	247	477

Death Rate per 1,000 estimated population - Crude	15.1
Adjusted	13.3
Comparability Factor	0.88

Excess of live births over deaths	28
-----------------------------------	----

INFANT DEATHS:

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Under 1 year of age - Legitimate	3	1	4
Illegitimate	1	1	2
Under 4 weeks of age - Legitimate	2	1	3
Illegitimate	-	-	-
Under 1 week of age - Legitimate	2	1	3
Illegitimate	-	-	-

Infant Mortality Rates

Total infant deaths per 1,000 total live births	12
Legitimate infant deaths per 1,000 legitimate live births	8
Illegitimate infant deaths per 1,000 illegitimate live births	83

Neo-natal Mortality Rate

Deaths under 4 weeks of age per 1,000 live births	6
---	---

Early Neo-natal Mortality Rate

Deaths under 1 week of age per 1,000 live births	6
--	---

Peri-natal Mortality Rate

Still births and deaths under 1 week of age per 1,000 total births	12
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MATERNAL DEATHS:

Maternal deaths (excluding abortion)	Nil
Maternal Mortality per 1,000 total (live and still) births	-

COMMENTS ON STATISTICSPopulation

The Registrar General's estimate of the population of the Borough for mid-year 1971 was 31,560. This was an increase of 760 or 2.40% on the figure supplied the previous year. It was also the highest estimate for any year since 1963. Since then there have been six estimated decreases, 1964 - 1967 inclusive, 1969 and 1970 giving a total decrease of 1,970, but this has been offset by two increases, in 1968 and 1971, totalling 1,530, so that the net decrease in population over the last eight years has only been 440 or 1.37%.

The estimated population of Health Division No.6 at mid-year 1971 was 93,470, an increase of 3,500 or 3.89%. Increases were shown by individual authorities as follows:

Nelson M.B.	760 or 2.40%
Colne M.B.	80 or 0.42%
Padiham U.D.	130 or 1.29%
Brierfield U.D.	240 or 3.27%
Barrowford U.D.	490 or 10.42%
Burnley R.D.	1930 or 11.89%

the remaining authority, Trawden U.D., had a decrease of 130 or 6.47%. A small decrease of 480 or 0.63% was also estimated for the Burnley C.B.

Live Births

There were 505 live births registered, 36 fewer than in the previous year but only 14 short of the annual average over the previous ten years.

The Crude Live Birth Rate was 16.0 per 1,000 population or 1.6 per 1,000 less than the previous year, but identical to the 1969 rate. The average rate for the previous ten years being 16.5 per 1,000.

With the area comparability factor remaining the same at 1.14 the Adjusted Live Birth Rate was 18.2 per 1,000, a reduction of 1.9 per 1,000 on the rate for the previous year, but identical to that for 1969. The average rate for the previous ten years being 18.6 per 1,000 population.

Comparison of these rates with those of other authorities in Health Division No. 6 is given in the Table on Page 34.

The Live Birth Rate for England and Wales as a whole was 16.0 per 1,000 population, the same as in 1970, and this was 2.2 per 1,000 less than the Nelson adjusted rate which is used for external comparison purposes. For the eleventh successive year this Nelson rate has exceeded the National birth rate and the average yearly excess is 1.33 per 1,000 population.

A marked reduction occurred in the number of illegitimate live births registered, there being only 24 or 4.7% of the total live births compared with 44 or 8.1% in 1970. This was the smallest number of illegitimate live births registered in any year since 1960, the annual average 1961 - 1969 inclusive being 47.

The Illegitimate Live Birth Rates were 0.76 per 1,000 population and 47.5 per 1,000 live births, reductions of 0.67 and 33.8 respectively, the former rate being the smallest since 1960 and the latter the smallest since 1956.

Again there were fewer live births actually occurring in the borough. In 1971 there were only 36 or 7.1% of the total, all domicilliary, a reduction of 1.0%. This change in recent years whereby most of the Nelson children are born out of the borough, usually in the Edith Watson Maternity Unit at the General Hospital, Burnley, is shown as follows:

<u>Year</u>	<u>% of Inward Transferable Births</u>
1971	92.9%
1970	91.9%
1969	81.6%
1968	42.0%
1967	37.3%
1966	37.1%

Still Births

Only three still births were registered, the smallest number on record for the borough, and represented 0.59% of the total births registered compared with 0.7% in 1970. The average per year over the previous five years was 6.

The Still Birth Rates were 5.9 per 1,000 total births and 0.09 per 1,000 estimated population, decreases of 1.4 and 0.04 respectively on the 1970 rates, and the smallest recorded for the borough.

Reductions of 0.8 per 1,000 total births and 0.01 per 1,000 estimated population were shown in the Still Birth Rates for England and Wales as a whole, but those rates at 12.4 per 1,000 total births and 0.20 per 1,000 total population exceeded the corresponding rates for Nelson by 6.5 and 0.11 respectively.

Deaths

Only 477 deaths were registered, 8 fewer than in 1970 and the smallest number since 1967. The average for the previous quinquennial period was 492. The Crude Death Rate was, therefore, 15.1 per 1,000 estimated population, a reduction of 0.6 per 1,000 on the rate for 1970 and the smallest since 1967. The average for the period 1966 - 70 inclusive was 15.9 per 1,000.

With the Comparability Factor unaltered at 0.88 the Adjusted Death Rate, used for external comparative purposes, was 13.3 per 1,000 estimated population, a reduction of 0.5 per 1,000 on 1970 and the smallest since 1967. It exceeded the death rate for England and Wales as a whole by 1.7 per 1,000 population against 2.1 per 1,000 in 1970. Over the previous 5 years (1966 - 70 inclusive) this excess ranged from 1.6 to 3.2 per 1,000 with an average of 2.42 per 1,000, whereas in the 5 years (1960 - 65 inclusive) the excess ranged from 1.8 to 4.6 per 1,000 with an average of 3.8.

For comparison, these death rates for authorities within Health Division No. 6 are shown in the Table on page 34.

Diseases of the Heart and Circulation accounted for almost 55% of the total deaths which is about average. Deaths from cancer totalled 86, was 11 less than in 1970 and represented 18% of the total deaths against 20% last year. The death rate from this cause was 2.72 per 1,000 population, a reduction of 0.43 and 0.64 per 1,000 respectively on the two previous years, but still 0.04 and 0.33 per 1,000 population higher than the death rates for this disease for each of the successive two previous quinquennial periods. The National cancer death rate at 2.39 per 1,000 population was the same as in 1970.

January, February and March had the highest monthly death rates and that quarter had almost 34% of the total deaths during the year compared with 23% 20% and 23% for each of the successive quarters.

Tables showing summaries of the ages at death are given on pages 41 and 42. The highest percentage of deaths normally occurs in the age groups 65-84 years and this section usually has something over 60% of the total deaths, around 65% on occasions, but the last four years have shown a downward trend being 65.24%, 63.61%, 62.27% and in 1971 it was 59.33%. On the other hand deaths of persons 85 years and over shows an upward trend from around 12% in recent years to 13.83% in 1971. In the 90-95 years age group the average yearly percentage of the total deaths in the period 1961-65 was 1.78% and the following period 1966-70 was 2.78% whereas in 1970 it was 3.50% and in 1971 it was 4.19% of the total deaths.

In 1971 the deaths occurring out of the borough was 53.2% of the total deaths, an increase of 3.3% on the previous year. This progressive increase is shown in the Table on page 44. Most of these inward transferable deaths, 95.7%, occurred in hospitals or nursing homes. This is the usual proportion. Of the total deaths assigned to Nelson 55.8% died in hospitals or nursing homes, an increase of 0.8% on the previous year. This percentage is slowly increasing each year, the average figure for each of the previous quinquennial periods 1966-70, 1961-65, and 1956-60 being 49.6%, 44.9% and 38.5% respectively.

Infant Mortality

Only 6 deaths occurred of infants under the age of twelve months, an improvement of 3 on the previous year and the least number since 1955. Classification of the deaths according to causes and ages is given in the Table on page 38. As 3 of these were infants under the age of four weeks and 3 under the age of one week the Infant Mortality Rates were as follows:

Infant Mortality (under 12 months)	12 per 1,000 live births
Neo-Natal Mortality (under 4 weeks)	6 "
Early neo-natal Mortality (under 1 week)	6 "

these rates were 5, 7 and 5 per 1,000 respectively less than those for the previous year and 6, 6 and 4 per 1,000 live births respectively less than the national rates for 1971.

There were 10 peri-natal deaths (4 still births and 6 under the age of 4 weeks) which gave a Peri-natal Mortality Rate of 12 per 1,000 total births compared with 18 per 1,000 in 1970. The corresponding National Rate was 22 per 1,000 total births compared with 23 per 1,000 in each of the two previous years.

Maternal Mortality

No maternal death occurred during the year.

The National Maternal Mortality Rates were as follows:

Total	0.17 per 1,000 total (live and still births)
Excluding Abortion	0.13 " "
Due to Abortion	0.03 " "

The following Tables show:-

Birth Rates, Death Rates and Analysis of Mortality for England and Wales and Nelson, 1971.

Nelson Vital Statistics, 1971 and previous ten years with averages.

Comparison of Nelson Birth and Death Rates with National Rates 1942-1971 inclusive.

Vital Statistics for 1971 of authorities in Health Division No. 6.

Causes of Death at different periods of life during 1971 with equivalent Death Rates.

Classification of Infant Deaths during 1971 according to Causes and Ages.

Analysis of Deaths from Cancer during 1971 according to age groups and location of growth.

Monthly Analysis of Deaths during 1971 with rates per 1,000 population.

Summary of Ages at Death during 1971.

Annual Percentage Summary of Ages at Death 1961-1971 inclusive.

Percentage of Total Deaths according to ages, at five-year intervals from 1920-1970 and 1971.

Deaths occurring in Nelson and Outward and Inward Transferable Deaths in percentage comparison with Nett Deaths assigned to Nelson each year over the period 1933-1971 inclusive.

Deaths occurring in Hospitals and Institutions in relation to Total Deaths during 1971.

Deaths occurring in Hospitals and Institutions, etc., annually from 1956-1970 inclusive with averages, and during 1971.

VITAL STATISTICS

COMPARATIVE TABLE SHOWING BIRTH RATES, DEATH RATES
AND ANALYSIS OF MORTALITY FOR ENGLAND AND WALES AND
NELSON FOR THE YEAR 1971

	(1)		(2)	
	England and Wales		Nelson	
	Number Registered	Rate per 1,000 home population	Number Registered	Rate per 1,000 home population
Births:				
Live Births	783,165	16.0	505	16.0 *
Still Births	9,898	12	3	6
Deaths:				
All Causes	567,345	11.6	477	15.1 *
Tuberculosis (all forms)	1,438	0.029	-	Nil
Respiratory	1,241	0.025	-	Nil
Other	197	0.004	-	Nil
Cancer (all forms)	116,897	2.39	86	2.72
Lung and bronchus	30,746	0.63	20	0.63
Other cancer	86,151	1.76	66	2.09
Maternal Mortality (total)	133	0.17 (a)	-	Nil
Maternal Causes (excluding abortion)	106	0.13 (a)	-	Nil
Due to Abortion	27	0.03 (a)	-	Nil
	Number Registered	Rate per 1,000 Live Births	Number Registered	Rate per 1,000 Live Births
Infant Mortality	13,726	18	6	12
Neo-natal Mortality	9,113	12	3	6
Early Neo-natal Mortality	7,750	10	3	6
Peri-natal Mortality	17,648	22 (a)	6	12 (a)

(a) per 1,000 total (live and still) births

Estimated mid-year home population (1) 48,815,000
 (2) 31,560

(1) Provisional figures based on Registrar-General's Quarterly Returns

* Adjusted: Live Birth Rate 18.2 per 1,000 (Comp. Fact. 1.14)

Death Rate 15.1 per 1,000 (Comp. Fact. 0.88)

VITAL STATISTICS

VITAL STATISTICS FOR 1971 AND THE PREVIOUS 10 YEARS, WITH 5 YEARS' AVERAGE

Year	Estimated Population	Live Births		Deaths (All causes)		Stillbirths		Maternal Mortality		Infant Mortality Total			Rate per 1000 live births
		No. Registered	Rate per 1000 pop'n	No. Registered	Rate per 1000 pop'n	No. Registered	Rate per 1000 total births	No. of deaths registered	Rate per 1000 total births	No. of deaths registered	Rate per 1000 live births	No. of deaths registered	Rate per 1000 live births
1961	32,140	530	16.5	536	16.7	17	31	Nil	Nil	7	13	6	11
1962	32,000	539	16.8	515	16.1	12	22	Nil	Nil	9	17	8	15
1963	32,000	519	16.2	493	15.4	6	11	Nil	Nil	12	23	6	12
1964	31,540	518	16.4	464	14.6	4	8	Nil	Nil	11	21	10	19
1965	31,290	502	16.0	521	16.7	14	27	Nil	Nil	14	28	10	20
Average 5 years		522	16.4	506	15.9	11	20	Nil	Nil	11	20	8	15
1966	30,980	550	17.8	517	16.7	4	7	Nil	Nil	12	22	8	14
1967	30,630	496	16.2	441	14.4	8	16	Nil	Nil	7	14	4	8
1968	31,400	498	15.9	492	15.7	8	16	Nil	Nil	7	14	3	6
1969	31,230	500	16.0	525	16.8	7	14	Nil	Nil	14	28	10	20
1970	30,800	541	17.6	485	15.7	4	7	1	1.8	9	17	7	13
Average 5 years		517	16.7	492	15.9	6	12	0.2	0.4	10	19	6	12
1971	31,560	505	16.0	477	15.1	3	6	Nil	Nil	6	12	3	6

Year	Nelson										England and Wales				
	Estimated population	Birth Rates			Death Rates			Birth Rates			Death Rates				
		Live	Still	Total	Maternal	Infant	Live	Still	Total	Maternal	Infant				
Crude per 1000 pop'n	Adjusted per 1000 pop'n	per 1000 Total Births	Crude per 1000 pop'n	Adjusted per 1000 pop'n	per 1000 Total Births	Total Neo-natal per 1000 Live Births	Per 1000 pop'n	per 1000 Total Births	per 1000 pop'n	per 1000 Total Births	Total Neo-natal per 1000 Live Births				
1942	32,580	13.8	-	46.8	15.1	-	56	Nil	-	15.8	33.0	11.6	2.01	49	27.2
1943	31,590	13.3	-	41.1	16.1	-	48	Nil	-	16.5	30.2	12.1	2.29	49	25.2
1944	31,420	15.6	-	23.8	15.3	-	24	1.98	-	17.6	27.7	11.6	1.93	46	24.3
1945	31,100	13.4	-	43.4	15.3	-	40	2.28	-	16.1	27.6	11.4	1.79	46	24.8
1946	32,650	16.2	-	50.1	15.1	-	28	Nil	-	19.1	27.2	11.5	1.43	43	24.5
1947	33,140	20.1	-	16.9	14.9	-	40	1.47	31.4	20.5	24.1	12.0	1.17	41	22.7
1948	34,530	16.4	-	25.7	15.0	-	40	Nil	28.2	17.9	23.2	10.8	1.02	34	19.7
1949	34,530	13.8	-	28.4	15.9	-	36	Nil	16.7	16.7	22.7	11.7	0.98	32	19.3
1950	34,670	14.1	15.1	10.1	16.3	14.5	12.2	4.04	10.2	15.8	22.7	11.6	0.86	29.8	18.5
1951	34,240	13.6	14.4	27.2	16.9	14.9	28.0	2.10	21.6	15.5	23.0	12.5	0.79	29.6	18.8
1952	33,900	13.4	14.2	21.5	13.7	12.1	17.5	2.15	13.1	15.3	22.6	11.3	0.72	27.6	18.3
1953	33,510	14.5	15.4	20.1	15.7	13.8	32.8	2.01	24.6	15.5	22.4	11.4	0.76	26.8	17.7
1954	33,390	11.1	12.1	28.8	15.1	13.5	21.6	Nil	16.2	15.2	23.4	11.3	0.69	25.5	17.7
1955	33,220	12.5	13.6	14.2	14.9	13.2	12.0	Nil	7.2	15.0	23.1	11.7	0.64	24.9	17.3
1956	32,700	13.6	14.8	22.0	15.9	15.3	18.0	Nil	15.8	15.7	23.0	11.7	0.56	23.8	16.9
1957	32,330	13.3	14.4	27.0	15.6	15.2	23.2	Nil	13.9	16.1	22.4	11.5	0.47	23.0	16.5
1958	32,060	13.5	14.5	20.4	15.3	14.6	25.5	Nil	11.6	16.4	21.6	11.7	0.43	22.5	16.2
1959	31,720	14.9	16.1	32.7	16.6	15.9	19.0	Nil	14.8	16.5	20.7	11.6	0.38	22.0	15.8
1960	31,470	14.8	16.0	33.1	16.9	16.1	17.1	2.07	15.0	17.1	19.7	11.5	0.39	21.7	15.6
1961	32,140	16.5	17.8	31.1	16.7	15.8	13.2	Nil	11.3	17.4	18.7	12.0	0.33	21.4	15.5
1962	32,000	16.8	18.2	21.8	16.1	15.3	16.7	Nil	14.8	18.0	18.1	11.9	0.35	21.4	15.1
1963	32,000	16.2	18.5	11.4	15.4	14.0	23.1	Nil	11.6	18.2	17.3	12.2	0.28	20.9	14.2
1964	31,540	16.4	18.7	7.7	14.7	13.4	21.2	Nil	19.3	18.4	16.3	11.3	0.25	20.0	13.8
1965	31,290	16.0	18.3	27.1	16.7	14.8	27.9	Nil	19.9	18.1	15.7	11.5	0.25	19.0	13.0
1966	30,980	17.8	20.2	7.2	16.7	14.7	21.8	Nil	14.5	17.7	15.4	11.7	0.26	19.0	12.9
1967	30,630	16.2	18.5	15.9	14.4	12.8	14.1	Nil	8.1	17.2	14.8	11.2	0.20	18.3	12.5
1968	31,400	15.9	18.1	15.8	15.7	14.1	14.0	Nil	6.0	16.9	14.3	11.9	0.24	18.3	12.4
1969	31,230	16.0	18.2	13.8	16.8	15.1	28.0	Nil	20.0	16.3	13.2	11.9	0.19	18.0	12.0
1970	30,800	17.6	20.1	7.3	15.7	13.8	16.6	1.83	12.9	16.0	13.2	11.7	0.18	18.2	12.3
1971	31,560	16.0	18.2	5.9	15.1	13.3	11.9	Nil	5.9	16.0	12.5	11.6	Nil	17.5	11.6

VITAL STATISTICS

Table showing Vital Statistics for 1971 of Authorities in Health Division No.6 for comparison

	Nelson MB	Colne MB	Burnley RD	Padiham UD	Brierfield UD	Barrowford UD	Trawden UD
Estimated Population Mid-Year 1971							
	31,560	18,870	18,160	10,230	7,580	5,190	1,880
<u>Live Birth Rates, Etc.</u>							
Live Births per 1,000 pop'n (Crude Rate)	16.0	15.7	13.3	14.0	16.5	12.7	11.7
Local adjusted rate	18.2	19.0	15.2	15.5	18.3	15.9	14.7
Illegitimate live births as percentage of all live births	5	14	4	7	7	5	9
Stillbirth rate per 1,000 total births	6	3	12	34	8	15	Nil
<u>Mortality Rates, Etc.</u>							
Deaths per 1,000 pop'n (Crude Rate)	15.1	17.0	13.3	15.0	12.4	14.8	14.9
Local adjusted rate	13.3	15.6	11.4	14.3	12.4	11.5	13.7
Infant Mortality Rate per 1,000 live births	12	24	21	28	16	15	45
Neo-natal Mortality Rate per 1,000 live births	6	17	21	14	8	Nil	45
Early Neo-natal Mortality Rate per 1,000 live births	6	17	21	14	Nil	Nil	45
Peri-natal Mortality Rate per 1,000 total births	12	20	33	47	8	15	45
Malignant Neoplasms, Etc. Mortality per 1,000 pop'n	2.72	3.18	2.26	2.64	1.85	2.31	2.13
do	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Respiratory Tuberculosis							

Cause of Death	Sex	Under 4 weeks	4 weeks & under 1 year	Age in years								Total All Ages	Rate per 1,000 pop'n
				Age in years									
				1-5-	5-15-	15-25-	25-35-	35-45-	45-55-	55-65-	65-75 & over		
Malignant Neoplasm, Buccal Cavity, etc.	M.	-	-	-	-	-	-	-	-	-	-)	3	0.10
do Oesophagus	F.	-	-	-	-	-	-	-	-	1	3)	2	0.06
do Stomach	M.	-	-	-	-	-	-	-	-	-	-)	2	
do Intestine	F.	-	-	-	-	-	-	-	-	1	10)	13	0.41
do Lung, Bronchus	M.	-	-	-	-	-	-	-	-	2	3)	8	0.26
do Breast	F.	-	-	-	-	-	-	-	-	1	4)	4	
do Uterus	M.	-	-	-	-	-	-	-	-	9	17)	20	0.63
do Prostate	F.	-	-	-	-	-	-	-	-	-	3)		
Leukaemia	M.	-	-	-	-	-	-	-	-	-	12)	12	0.38
Other Malignant Neoplasms	F.	-	-	-	-	-	-	-	-	-	2)	2	0.06
Diabetes Mellitus	M.	-	-	-	-	-	-	-	-	-	4)	4	0.13
Anaemias	F.	-	-	-	-	-	-	-	-	-	1)	1	0.03
Other diseases of Blood, etc.	M.	-	-	-	-	-	-	-	-	-	-)		
Multiple Sclerosis	F.	-	-	-	-	-	-	-	-	-	9)	21	0.67
Other Diseases of Nervous System	M.	-	-	-	-	-	-	-	-	-	12)		
	F.	-	-	-	-	-	-	-	-	-	2)	4	0.13
	M.	-	-	-	-	-	-	-	-	-	2)		0.06
	F.	-	-	-	-	-	-	-	-	-	1)	2	
	M.	-	-	-	-	-	-	-	-	-	1)		0.03
	F.	-	-	-	-	-	-	-	-	-	-)	1	
	M.	-	-	-	-	-	-	-	-	-	1)		0.03
	F.	-	-	-	-	-	-	-	-	-	2)	3	0.10
	M.	-	-	-	-	-	-	-	-	-	1)		
Totals (c/f to Part 2)	M.	-	-	-	3	6	13	18	50)	10	97		
	F.	-	-	-	2	5	9	17	47)	13			

PART 2

Cause of Death	Sex	Under 4 weeks	4 weeks & under 1 year	Age in years							Total All Ages	Rate per 1,000 pop'n
				1-5	5-15	15-25	25-35	35-45	45-55	55-65	65-75 & over	
Totals (b/f from Part 1)	M. F.	- -	- -	- -	- 1	- -	3 2	6 5	13 9	18 17	10 13	50) 97 47)
Chronic Rheumatic Heart Disease	M. F.	- -	- -	- -	- -	1 -	1 -	- -	1 1	- 2	- -	3) 6 3)
Hypertensive Disease	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- 1	- -	-) 1 1)
Ischaemic Heart Disease	M. F.	- -	- -	- -	- -	- 3	- -	8 1	15 11	25 17	22 33	73) 135 62)
Other Forms of Heart Disease	M. F.	- -	- -	- -	- 1	- -	- -	- -	- 1	2 2	4 10	6) 20 14)
Cerebrovascular Disease	M. F.	- -	- -	- -	- -	- -	- -	1 1	2 6	9 9	16 31	28) 75 47)
Other Diseases of Circulatory System	M. F.	- -	- -	- -	- -	- -	- -	- -	3 2	2 3	8 7	13) 25 12)
Pneumonia	M. F.	- -	- 1	- -	- -	- -	- -	- -	- 1	4 7	6 10	10) 30 20)
Bronchitis and Emphysema	M. F.	- -	- -	- -	- -	- -	- -	- 1	4 1	11 4	7 5	22) 33 11)
Asthma	M. F.	- -	- -	- -	- -	- -	- -	1 1	- -	- 1	- -	1) 2 1)
Other Diseases of Respiratory System	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- 1	- 1	1) 1 -)
Peptic Ulcer	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- 1	- 1	1) 2 1)
Intestinal Obstruction and Hernia	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	- 1	1) 2 1)
Cirrrosis of Liver	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	-) 1 1)
Totals (c/f to Part 3)	M. F.	- -	- 1	- 1	- 2	1 -	7 2	16 8	38 33	71 64	76 110	209) 430 221)

VITAL STATISTICS - CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING 1971 WITH EQUIVALENT DEATH RATES

PART 3

Cause of Death	Sex	Under 4 weeks	4 weeks & under 1 year	Age in years								Total All Ages	Rate per 1,000 pop'n
				1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75 & over	
Totals (b/f from Part 2)	M. F.	- -	- 1	- -	- 2	1 -	7 2	16 8	38 33	71 64	76 110	209) 430 221)	
Other Diseases of Digestive System Nephritis and Nephrosis Hyperplasia of Prostate Other Diseases, Genito-Urinary System Diseases of Skin, Subcutaneous Tissue Diseases of Musculo-Skeletal System Congenital Anomalies Birth Injury, Difficult Labour, etc. Other Causes of Perinatal Mortality Symptoms and Ill-defined conditions Motor Vehicle Accidents All Other Accidents Suicide and Self-Inflicted Injuries	M.	-	-	-	-	-	-	1	-	-	-	1) 3	0.10
	F.	-	-	-	-	-	-	1	-	-	1	2)	0.03
	M.	-	-	-	-	-	1	-	-	-	-	-)	
	F.	-	-	-	-	-	-	-	-	-	-	1)	
	M.	-	-	-	-	-	-	-	-	-	2	2	0.06
	M.	-	-	-	-	-	-	-	-	-	-	-)	
	F.	-	-	-	-	-	-	1	-	-	1	2)	0.06
	M.	-	-	-	-	-	-	-	-	-	-	-)	
	F.	-	-	-	-	-	-	-	-	-	1	2)	0.06
	M.	-	-	-	-	-	-	1	-	-	-	1)	
	F.	-	-	-	-	-	-	-	-	-	1	1)	
	M.	-	1	-	-	-	-	-	-	-	-	2)	0.06
	F.	-	-	-	-	-	-	-	-	-	-	-)	
	M.	2	-	-	-	-	-	-	-	-	-	2)	0.06
	F.	-	-	-	-	-	-	-	-	-	-	-)	
	M.	-	-	-	-	-	-	-	-	-	-	-)	0.03
	F.	1	-	-	-	-	-	-	-	-	-	1)	
	M.	-	-	-	-	-	-	-	-	-	-	3)	0.22
	F.	-	-	-	-	-	-	-	-	-	3	4)	
	M.	-	-	-	-	2	-	-	-	1	-	3)	0.10
	F.	-	-	-	-	-	-	-	-	-	-	-)	
	M.	-	1	-	-	-	-	1	-	-	-	4)	0.41
	F.	-	-	-	-	-	-	-	-	-	-	9)	
	M.	-	-	-	-	-	-	-	-	-	-	3)	0.22
	F.	-	-	-	-	-	-	-	-	-	-	4)	
Totals	M. F.	2 1	2 1	1 -	2 2	3 -	7 3	19 11	39 33	73 69	81 126	230) 477 247)	15.11

VITAL STATISTICS

CLASSIFICATION OF INFANT DEATHS DURING 1971 ACCORDING TO CAUSES AND AGES

Cause of Death (International Classification)	<u>Neo-natal</u> (Under 4 wks.)		<u>Others</u> (4 wks.-12 mths.)		<u>Total</u>	
	M.	F.	M.	F.	M.	F.
<u>Diseases of the Respiratory System</u>						
<u>Pneumonia</u>						
Pneumonia, unclassified	-	-	-	1	-	1
<u>Congenital Anomalies</u>						
Congenital Anomalies of the heart	-	-	1	-	1	-
<u>Certain Causes of Perinatal Morbidity and Mortality</u>						
Birth Injury without mention of cause To Brain	1	-	-	-	1	-
Anoxic and Hyponoxic conditions not elsewhere classified						
Respiratory Distress Syndrome	1	-	-	-	1	-
Immaturity, unqualified	-	1	-	-	-	1
<u>Accidents, Poisoning and Violence</u>						
<u>External Causes</u>						
<u>Other Accidents</u>						
Inhalation and ingestion of food causing obstruction or suffocation	-	-	1	-	1	-
Totals	2	1	2	1	4	2
	3		3		6	

VITAL STATISTICS

ANALYSIS OF DEATHS FROM CANCER DURING 1971 AT DIFFERENT PERIODS OF LIFE AND WITH
EQUIVALENT DEATH RATES

PART 1

Location of Growth	Age Groups										Total M. F.	Total	Rate per 1,000 pop ⁿ 1971	Rate per 1,000 pop ⁿ 1970
	15-24 M. F.	25-34 M. F.	35-44 M. F.	45-54 M. F.	55-64 M. F.	65-74 M. F.	75 & over M. F.							
BUCCAL CAVITY AND PHARYNX														
Other & unspecified parts of mouth	-	-	-	-	1	-	-	-	-	1	-	1	0.03	0.03
Oropharynx	-	-	-	1	-	-	-	-	-	1	-	1	0.03	-
Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	0.03	0.03
Pharynx unspecified	-	-	-	-	-	-	-	-	-	1	-	1	0.03	-
DIGESTIVE ORGANS AND PERITONEUM														
Oesophagus	-	-	-	-	1	-	-	-	1	2	-	2	0.06	-
Stomach	-	-	1	2	2	4	1	1	2	10	3	13	0.41	0.39
Large intestine except rectum	-	-	-	1	-	1	1	1	1	3	2	5	0.16	0.29
Rectum and rectosigmoid junction	-	-	-	-	-	-	-	1	1	1	2	3	0.10	0.19
Liver & intrahepatic ducts, specified as primary	-	-	-	1	1	-	-	1	-	3	-	3	0.10	0.10
Gallbladder & bile ducts	-	-	-	-	-	-	-	-	-	1	1	2	0.06	-
Pancreas	-	-	-	-	1	-	1	1	-	2	2	4	0.13	0.26
RESPIRATORY SYSTEM														
Trachea, bronchus of lung	-	-	-	2	5	9	-	1	-	17	3	20	0.63	0.55
BONE, CONNECTIVE TISSUE, SKIN & BREAST														
Bone	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
Other malignant neoplasm of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
Breast	-	-	1	-	3	-	4	-	4	-	12	12	0.38	0.46
Totals (c/f to Part 2)	-	-	1	6	10	14	6	7		37	30	67		

VITAL STATISTICS

ANALYSIS OF DEATHS FROM CANCER DURING 1971 AT DIFFERENT PERIODS OF LIFE AND WITH EQUIVALENT DEATH RATES

PART 2

Location of Growth	Age Groups								Total M. F.	Total	Rate per 1,000 pop'n 1971	Rate per 1,000 pop'n 1970
	15-24 M. F.	25-34 M. F.	35-44 M. F.	45-54 M. F.	55-64 M. F.	65-74 M. F.	75 & over M. F.					
Totals (b/f from Part 1)	- -	- -	1 1	6 2	10 8	14 12	6 7	37 30	67			
<u>GENITO URINARY ORGANS</u>												
Cervix Uteri	-	-	-	1	-	-	-	-	1	0.03	0.13	
Other malignant neoplasm of uterus	-	-	-	-	-	-	-	-	1	0.03	0.07	
Ovary, Fallopian tube and broad ligament	-	-	-	-	-	-	1	-	2	0.06	0.10	
Other & unspecified female genital organs	-	-	-	-	-	-	1	-	1	0.03	-	
Prostate	-	-	-	-	2	1	-	4	4	0.13	0.13	
Bladder	-	-	-	-	-	-	1	-	1	0.03	0.13	
Other & unspecified urinary organs	-	-	-	1	-	-	-	-	1	0.03	-	
<u>OTHER AND UNSPECIFIED SITES</u>												
Brain	-	-	-	1	-	-	-	-	1	0.03	-	
Other parts of nervous system	-	-	-	-	-	-	-	-	1	0.03	0.03	
Secondary malignant neoplasm of respiratory system and digestive organs	-	-	-	-	-	-	-	-	1	0.03	-	
Other secondary malignant neoplasm	-	-	-	-	-	-	1	-	1	0.03	0.13	
Malignant neoplasm without specification of site	-	-	-	-	-	-	-	-	1	0.03	0.03	
<u>LYMPHATIC AND HAEMATOPOIETIC TISSUE</u>												
Hodgkins Disease	-	-	1	-	-	1	-	2	2	0.06	-	
Myeloid leukaemia	-	-	-	-	-	-	1	1	1	0.03	0.03	
Totals	- -	- -	2 2	6 5	12 8	16 14	9 12	45 41	86	2.72	3.15	
	-	-	4	11	20	30	21	86				

1971 - MONTHLY ANALYSIS OF DEATHS

WITH RATES PER 1,000 POPULATION

Month	Actual Deaths in Nelson		Outward Transfers		Inward Transfers		Nett deaths in Nelson			
	M.	F.	M.	F.	M.	F.	Number			Rate per 1,000 pop'n
January	12	24	1	1	12	14	23	37	60	1.90
February	15	14	2	2	11	12	24	24	48	1.52
March	13	13	1	2	16	15	28	26	54	1.71
April	14	10	1	2	8	13	21	21	42	1.33
May	10	12	2	3	9	13	17	22	39	1.24
June	6	9	-	2	7	9	13	16	29	0.92
July	8	7	-	-	4	10	12	17	29	0.92
August	6	7	-	2	11	15	17	20	37	1.17
September	15	7	4	1	4	9	15	15	30	0.95
October	8	6	2	2	9	13	15	17	32	1.01
November	16	5	2	-	10	9	24	14	38	1.20
December	12	11	4	1	13	8	21	18	39	1.24
Totals	135	125	19	18	114	140	230	247	477	15.11

1971

SUMMARY OF AGES AT DEATH

Age Groups	Deaths in Nelson		Outward Transfers		Inward Transfers		Total Deaths Allocated to Nelson			% of each group to total deaths
	M.	F.	M.	F.	M.	F.	M.	F.	Total	
Under 1 year	1	-	-	-	3	2	4	2	6	1.26
1 year	1	-	-	-	-	-	1	-	1	0.21
2 - 4 years	-	-	-	-	-	-	-	-	-	-
5 - 9 "	-	-	-	-	-	-	-	-	-	-
10 - 14 "	1	-	-	-	-	1	1	1	2	0.42
15 - 19 "	-	1	-	1	1	1	1	1	2	0.42
20 - 24 "	1	1	-	-	-	-	1	1	2	0.42
25 - 29 "	-	-	-	-	1	-	1	-	1	0.21
30 - 34 "	-	-	-	-	2	-	2	-	2	0.42
35 - 39 "	-	2	-	-	-	-	-	2	2	0.42
40 - 44 "	2	-	-	-	5	1	7	1	8	1.68
45 - 49 "	5	1	1	-	3	4	7	5	12	2.52
50 - 54 "	9	4	1	-	4	2	12	6	18	3.77
55 - 59 "	9	2	1	1	7	7	15	8	23	4.82
60 - 64 "	13	5	1	1	12	21	24	25	49	10.27
65 - 69 "	19	17	1	2	16	11	34	26	60	12.58
70 - 74 "	24	19	2	3	17	27	39	43	82	17.19
75 - 79 "	29	22	9	2	15	21	35	41	76	15.93
80 - 84 "	12	21	1	8	17	24	28	37	65	13.63
85 - 89 "	6	18	1	-	8	14	13	32	45	9.43
90 - 94 "	3	11	1	-	3	4	5	15	20	4.19
95 - 99 "	-	1	-	-	-	-	-	1	1	0.21
Totals	135	125	19	18	114	140	230	247	477	100.00

ANNUAL PERCENTAGE SUMMARY OF AGES AT DEATH 1961 - 1971 INCLUSIVE

Age groups	Each age group as percentage of total annual deaths										
	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
Under 1 year	1.31	1.75	2.43	2.38	2.69	2.32	1.59	1.42	2.85	1.86	1.26
1 year	0.19	-	-	-	-	0.19	0.23	-	-	-	0.21
2 - 4 years	0.19	-	-	0.22	0.20	0.19	0.23	-	0.38	0.41	-
5 - 9 years	0.74	0.39	-	0.22	0.20	0.19	-	0.41	-	-	-
10 - 14 years	0.19	-	-	-	-	-	0.45	0.20	-	-	0.42
15 - 19 years	0.19	0.19	0.20	0.22	-	0.19	0.45	-	0.38	0.41	0.42
20 - 24 years	0.37	0.19	0.20	-	0.38	0.19	0.23	0.20	0.38	0.21	0.42
25 - 29 years	-	-	-	-	0.57	0.39	-	0.20	-	0.21	0.21
30 - 34 years	0.37	0.39	0.61	0.43	0.20	0.39	0.68	-	0.38	0.21	0.42
35 - 39 years	0.19	0.78	0.61	0.43	1.53	0.97	0.68	0.20	0.19	1.24	0.42
40 - 44 years	0.93	1.17	0.82	1.28	1.92	0.77	1.36	1.02	1.52	1.24	1.68
45 - 49 years	1.88	1.75	1.82	2.16	0.77	2.13	1.13	2.44	2.86	3.09	2.52
50 - 54 years	3.54	5.05	3.04	3.23	3.45	1.93	4.76	2.03	2.67	3.09	3.77
55 - 59 years	5.41	5.63	6.69	4.53	4.80	5.03	6.12	5.69	5.34	4.12	4.82
60 - 64 years	9.51	9.32	12.58	11.64	9.02	8.90	7.48	8.54	10.10	9.28	10.27
65 - 69 years	13.80	13.98	12.58	14.44	12.48	12.96	14.97	14.43	15.43	10.52	12.58
70 - 74 years	16.60	16.88	15.21	18.10	21.11	17.22	16.56	14.43	17.52	16.49	17.19
75 - 79 years	19.40	19.42	17.44	18.75	15.93	18.38	18.14	19.92	14.86	18.97	15.93
80 - 84 years	14.74	13.79	15.42	12.28	14.20	18.38	13.60	16.46	15.80	16.29	13.63
85 - 89 years	8.77	7.96	8.32	7.76	7.29	7.35	7.94	8.94	6.29	8.45	9.43
90 - 94 years	1.49	0.97	1.62	1.93	2.88	1.74	2.95	3.05	2.67	3.50	4.19
95 - 99 years	0.19	0.39	0.41	-	0.38	0.19	0.45	0.41	0.38	0.41	0.21
Total Deaths	536	515	493	464	521	517	441	492	525	485	477

VITAL STATISTICS

PERCENTAGE OF TOTAL DEATHS, ACCORDING TO AGES, (AT FIVE-YEAR INTERVALS) FROM 1920 - 1970 AND 1971

Ages	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1971
Under 1 year	13.2	7.7	7.7	5.9	3.6	3.6	1.1	1.0	1.5	2.7	1.86	1.26
1 - 4 years	2.2	5.3	2.3	1.1	0.8	Not available	0.4	0.6	0.4	0.2	0.41	0.21
5 - 14 "	3.2	2.1	1.6	1.7	0.4		0.4	0.6	0.4	0.2	-	0.42
15 - 44 "	20.2	15.5	12.0	12.6	10.0		2.1	2.6	2.8	4.6	3.50	3.56
45 - 64 "	26.1	32.8	29.8	28.5	28.1		26.9	25.5	22.3	18.0	19.59	21.38
65 years & over	35.1	36.6	46.6	50.2	57.1		69.1	69.7	72.6	74.3	74.64	73.17
Total Deaths	410	478	483	460	530	478	564	494	533	521	485	477
Population	43,095	39,990	39,760	37,096	33,520	31,100	34,670	33,220	31,470	31,290	30,800	31,560
Death Rate	9.5	11.9	12.1	12.4	15.8	15.3	16.3	14.9	16.9	16.7	15.7	15.11

VITAL STATISTICS

DEATHS OCCURRING IN NELSON AND OUTWARD AND INWARD TRANSFERABLE DEATHS

IN PERCENTAGE COMPARISON WITH THE NETT DEATHS ASSIGNED TO NELSON

EACH YEAR OVER THE PERIOD 1933 - 1971 INCLUSIVE

Year	Deaths in Nelson					Deaths out of Borough Inward Transfers to Nelson		Nett deaths assigned to Nelson
	Actual Number	Actual Number	% of above	Actual Number	% of nett deaths	Actual Number	% of nett deaths	
1971	260	37	14.2	223	46.8	254	53.2	477
1970	271	28	10.3	243	50.1	242	49.9	485
1969	342	48	14.0	294	56.0	231	44.0	525
1968	313	42	13.4	271	55.1	221	44.9	492
1967	276	31	11.1	245	55.6	196	44.4	441
1966	331	42	12.7	289	55.9	228	44.1	517
1965	321	49	15.3	272	52.2	249	47.8	521
1964	325	42	14.8	283	61.0	181	39.0	464
1963	369	52	14.1	317	64.3	176	35.7	493
1962	356	47	13.2	309	60.0	206	40.0	515
1961	375	40	11.9	335	62.5	201	37.5	536
1960	362	43	13.5	319	59.9	214	40.1	533
1959	366	34	10.2	332	63.1	194	36.9	526
1958	381	50	15.1	331	67.7	158	32.3	489
1957	408	49	13.6	359	71.1	146	28.9	505
1956	414	54	15.0	360	69.1	161	30.9	521
1955	406	58	16.6	348	70.4	146	29.6	494
1954	411	59	16.8	352	69.7	153	30.3	505
1953	439	47	12.0	392	74.5	134	25.5	526
1952	382	52	13.6	330	71.0	135	29.0	465
1951	440	26	5.9	414	71.4	166	28.6	580
1950	451	30	6.6	421	74.6	143	25.4	564
1949	433	25	5.8	408	74.5	140	25.5	548
1948	386	15	3.9	371	71.3	149	28.7	520
1947	419	26	6.2	393	79.1	104	20.7	497
1946	412	26	6.3	386	78.1	108	21.9	494
1945	389	18	4.6	371	77.6	107	22.4	478
1944	367	18	5.1	349	72.6	132	27.4	481
1943)								(509
1942)								(491
1941)								(491
1940	406	10	2.5	396	74.7	134	25.3	530
1939	415	19	4.6	396	75.4	129	24.6	525
1938	426	12	2.8	414	75.3	136	24.7	550
1937	395	12	3.0	383	78.0	108	22.0	491
1936	401	21	5.2	380	79.2	100	20.8	480
1935	368	13	3.5	355	77.2	105	22.8	460
1934	401	17	4.2	384	80.7	92	19.3	476
1933	462	23	5.0	439	81.9	97	18.1	536

War years - figures not available

VITAL STATISTICS

DEATHS OCCURRING IN HOSPITALS OR INSTITUTIONS IN RELATION TO TOTAL DEATHS DURING 1971

Quarter Ended	Deaths in Nelson		Outward Transfers		Inward Transfers		Nett Deaths	
	Total M. F.	In Hosp. or Inst. M. F.	Total M. F.	In Hosp. or Inst. M. F.	Total M. F.	In Hosp. or Inst. M. F.	Total M. F.	In Hosp. or Inst. M. F.
31st March	40 51 91	4 10 14 15.4%	4 5 9	4 2 6 66.6%	39 41 80	39 39 78 97.5%	75 87 162	39 47 86 53.1%
30th June	30 31 61	3 11 14 22.9%	3 7 10	2 7 9 90.0%	24 35 59	22 35 57 96.6%	51 59 110	23 39 62 56.4%
30th September	29 21 50	2 6 8 16.0%	4 3 7	1 3 4 57.1%	19 34 53	18 34 52 98.1%	44 52 96	19 37 56 58.3%
31st December	36 22 58	11 5 16 27.6%	8 3 11	7 3 10 90.9%	32 30 62	30 26 56 90.3%	60 49 109	34 28 62 56.9%
Total for the year	135 125 260	20 32 52 20.0%	19 18 37	14 15 29 78.4%	114 140 254	109 134 243 95.7%	230 247 477	115 151 266 55.8%

VITAL STATISTICS

PERCENTAGE OF DEATHS WHICH OCCURRED IN HOSPITAL, INSTITUTIONS, ETC., ANNUALLY
FROM 1956 - 1970 INCLUSIVE, WITH QUINQUENNIAL AVERAGES AND 1971

Year	Deaths in Nelson				Inward Transfer Deaths From Other Areas		Nett Deaths Assigned to Nelson	
	Total Number in Nelson	% occurring in hospital, inst. etc.	Outward Transfers to Other Areas	% occurring in hospital, inst. etc.	Total Number	% occurring in hospital, inst. etc.	Total Number	% occurring in hospital, inst. etc.
1956	414	20.8	54	87.0	161	96.9	521	37.4
1957	408	19.8	49	93.8	146	94.5	505	34.2
1958	381	17.6	50	84.0	158	90.5	489	34.3
1959	366	15.3	34	82.3	194	95.9	526	40.7
1960	362	20.4	43	81.4	214	95.3	533	45.8
Average	386	18.8	46	85.7	175	94.6	515	38.5
1961	375	18.4	40	77.5	201	93.5	536	42.2
1962	356	19.9	47	78.7	206	96.6	515	45.2
1963	369	23.0	52	86.5	176	96.6	493	42.6
1964	325	20.3	42	88.1	181	95.0	464	43.3
1965	321	20.6	49	77.5	249	95.6	521	51.0
Average	349	20.4	46	81.7	203	95.5	506	44.9
1966	331	20.8	42	83.3	228	94.3	517	48.2
1967	276	18.5	31	87.1	196	93.9	441	47.2
1968	313	22.0	42	85.7	221	93.2	492	48.6
1969	342	21.9	48	91.7	231	98.3	525	49.1
1970	271	21.0	28	92.8	242	97.9	485	55.0
Average	307	20.8	38	88.1	224	95.5	492	49.6
1971	260	20.0	37	78.4	254	95.7	477	55.8

SECTION B

GENERAL PROVISION OF
HEALTH SERVICES
FOR THE AREA

Particulars of the staff of the Health Department are given on page 7 of this report.

In subsequent sections, full details will be found relating to infectious diseases and environmental health services within the Borough for which the Council is directly responsible.

The present section relates to those health services which concern more the personal health and welfare of the individual rather than public health and the community.

Liaison between County Council Services and Borough Council Services is facilitated by the fact that your Medical Officer of Health is also Schools Medical Officer and Divisional Medical Officer.

HOSPITALS

The Hospital Services for the Borough are provided by the Burnley and District Hospital Management Committee of the Manchester Regional Hospital Board and action is taken by them to secure adequate hospital treatment for the varying needs of the people.

Hospitals in the Burnley district available to Nelson residents are as follows:-

Reedyford Memorial Hospital, Nelson

Grove House Recovery Home, Barrowford

Hartley Hospital, Colne

Bank Hall Hospital, Burnley

Edith Watson Maternity Unit, General Hospital, Burnley

General Hospital, Burnley

Marsden Hospital, Burnley

Victoria Hospital, Burnley

Patients suffering from infectious diseases are, when necessary, admitted to Marsden Hospital, Burnley.

VENEREAL DISEASES - SPECIAL TREATMENT CENTRE

This service is also provided by the Burnley and District Hospital Management Committee at the Out-Patient Department of the General Hospital, Burnley. Sessions are held twice weekly, Tuesdays and Fridays, when a medical officer is in attendance. These are for both male and female patients and no appointment is necessary.

LABORATORY FACILITIES

The facilities of the Public Health Laboratory, Royal Infirmary, Meadow Street, Preston, are available for the use of your Authority.

Samples of water, milk, ice-cream, etc., were submitted for examination and the results are given in the appropriate sections of this report.

WELFARE OF THE AGED

The responsibility for the care of the aged in their own homes belongs to the Lancashire County Council as the Health Authority for the Borough. Under the Divisional scheme the specially appointed Welfare Organiser co-operates with representatives and officers of all statutory and voluntary bodies and organisations concerned with this aspect of public health.

For many years your Council has provided a Welfare Service for the Aged which is supplementary to the County Council Services. This is organised by the local authority and the Mayor's Welfare Fund. Voluntary subscriptions and efforts maintain this fund and it is supplemented by a voluntary contributory scheme in local places of employment etc., with the co-operation of employers and trade unions.

The fund finances the employment of welfare workers of which eleven were employed at the end of the year. By an arrangement with the Barrowford Urban District one of these was assigned to their area. The work is organised from the Public Information Centre and the welfare workers regularly visit aged persons in their own homes. Their duties include odd jobs in the home, shopping, collecting pensions, lighting fires, making drinks and giving friendly assistance to the old people generally. During the year they made a total of 49,853 visits, of which 5,291 were in the Barrowford area.

The Meals on Wheels Service inaugurated in 1966 continues to distribute 32 meals each day on Tuesdays, Wednesdays and Fridays. This is done by the Mayor's Welfare Section in co-operation with the local branch of the Women's Royal Voluntary Services and assisted twice a week by two senior children from local Secondary Modern Schools.

A Luncheon Club for the aged is held on Thursdays in the Civic Theatre, Stanley Street, Nelson, when approximately 85 persons are provided with a lunch at a cost to themselves of 10p. each.

Also in the Borough are six Social Clubs for Aged Persons, five of which are provided by the Council. All persons of retirement age have access to the amenities of these clubs, but membership, which entails the payment of a small subscription, qualifies the person to additional privileges such as free trips to the seaside and social occasions such as Christmas parties. The membership of these Clubs exceeds 2,500.

NATIONAL ASSISTANCE ACTS, 1948 AND 1951 (SECTION 47)

No applications for orders for the removal to suitable premises of persons in need of care and attention were made during the year.

TUBERCULOSIS SERVICE

The Chest Clinic for the area is situate at the Marsden Hospital, Burnley, to which known, and suspected, cases of tuberculosis are referred by medical practitioners. Patients are also visited in their own homes by Health Visitors employed by the Lancashire County Council Health Division No.6. These Health Visitors work in co-operation with the Chest Clinic and advise on the care and after-care of patients.

NATIONAL ASSISTANCE ACT, 1948 (SECTION 50)

It is the duty of the Local Authority to arrange for the burial of the body of a person who has died or been found dead in their area where it appears that no suitable arrangements for the disposal of the body are being made.

One such case was dealt with during the year.

OTHER SERVICES

The Borough of Nelson forms part of the Lancashire County Council Health Division No.6 and the following is a summary of the services provided by the County Council and administered from the Divisional Health Office, Oakleigh, Reedley, Nr. Burnley.

- Ambulance Service
- Care of Mothers and Young Children
 - Ante-natal Clinics
 - Child Health Clinics
 - Day Nurseries
 - Family Planning
 - Nurseries and Child Minders Regulations
 - Problem Families
 - Relaxation Classes
 - Unmarried Mothers
- Health Visiting
- Home Nursing
- Immunisation and Vaccination
 - Measles, Diphtheria, Whooping Cough, Tetanus, Poliomylitis, Smallpox, Tuberculosis (BCG) and Rubella
- Medical Examinations
- Mental Health
 - Mental Illness and Subnormality
 - Training Centres
 - Hostels
- Midwifery Service
- Prevention of Illness - Care and After-Care
 - Cervical Cytology
 - Chiropody
 - Convalescence
 - Health Education
 - Laundry Service
 - Loan of Nursing Equipment
 - Home Help Service
 - Night and Evening Help Service
 - Tuberculosis
- Welfare Services for the Aged
 - Day Care
 - Registration of Private Homes
 - Residential Accommodation
 - Short-stay Accommodation
- Welfare Service for Handicapped Persons
 - Blind and Partially Sighted
 - Deaf and Dumb
 - Physically Handicapped (General Classes)
 - Social Centres

Information regarding these services are given in my report as Divisional Medical Officer.

SECTION C

PREVALENCE OF, AND CONTROL OVER
INFECTIOUS AND OTHER DISEASES

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

Only 92 notifications were received which was 41% of the total in 1970 but about average for the alternate year, measles being the responsible factor.

There were seven fewer cases of tuberculosis giving a total of 22 of which 15 (11 males and 4 females) were respiratory cases and 7 (4 males and 3 females) other cases. With the exception of 3 respiratory cases the remainder were all Commonwealth Immigrants. Although the total number of notifications of this disease was less than the two previous years, with those exceptions it was the highest annual total since 1962. The case incidence rates were Respiratory 0.475 and Non-respiratory 0.222 per 1000 population which exceed the comparable rates for England and Wales as a whole by 0.288 and 0.169 per 1000 population respectively. No deaths occurred from this disease during the year.

Altogether 26 new cases were added to the tuberculosis register during 1971, the 22 new notifications and 4 transfers from other areas, two of the latter being Commonwealth Immigrants. There were 9 names deleted from the register, 1 patient having died, 4 had recovered and 4 had removed from the town. At year end there were 167 patients on the register, 113 respiratory cases and 65 others.

The Manchester Regional Hospital Board Mass Radiography Unit 13B carried out an Industrial Survey in the borough from the 10th - 19th May. Due to the limited time available only a proportion of the firms usually visited were x-rayed on this occasion, but all firms where cases of tuberculosis were discovered on the previous survey were included.

Altogether 1,830 persons (779 males and 1,051 females) employed in industry or offices were examined and a summary of the findings is as follows:-

<u>Abnormalities discovered</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>
Tuberculosis requiring treatment	3	1	4
Tuberculosis requiring supervision	1	-	1
Healed tuberculosis	12	7	19
Bronchial carcinoma	-	1	1
Cardio vascular lesion, acquired	5	4	9
Bronchiectasis	1	2	3
Emphysema	2	-	2
Pulmonary fibrositis	1	1	2
Pleural thickening	4	1	5
Abnormalities of diaphragm	-	1	1
Sarcoid	2	-	2
Totals	31	18	49
% of total examined	3.98%	1.71%	2.68%

I am indebted to Dr. J. I. Capper, M.B., Ch.B., the Medical Director of the Unit for the information supplied.

Five isolated cases of food poisoning were notified, but in no case was the causative organism or other responsible agent identified.

HOSPITAL ACCOMMODATION FOR INFECTIOUS DISEASES

This is provided by the Burnley and District Hospital Management Committee at Marsden Hospital, Burnley, when required, for all infectious diseases with the exception of smallpox. If on occasions, accommodation thereat is not available, arrangements are then made through the Bed Bureau for admission of the patient to an isolation hospital under the control of a neighbouring Hospital Management Committee.

PUBLIC HEALTH ACT, 1936 - SECTION 172

It was not found necessary to invoke the provisions of this Section for the removal to hospital of any infectious person suffering from tuberculosis of the respiratory tract.

DISINFECTION AFTER INFECTIOUS DISEASES

Generally the disinfection of rooms, bedding and personal clothing is no longer recommended except in cases of smallpox and some cases of tuberculosis. Experience has shown that cleansing with soap and water and the use of a disinfectant together with efficient ventilation of rooms is adequate, but disinfection is still carried out if specially requested. There were no such requests during the year.

Scabies is not a notifiable disease, but occasionally cases are discovered through the school medical service and referred to this Department for treatment. This is carried out on our behalf by the County Borough of Burnley on a payment basis, as and when required. The steam disinfection of personal clothing and bedding, etc., forms part of the treatment.

The following Tables give detailed information relative to:-

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

Cases notified during 1971.

Comparison of 1971 figures with previous five years and average.

Monthly Incidence of Notified Cases during 1971.

Comparison of Case Rates for Nelson and National Rates during 1971.

Tuberculosis - Analysis of New Cases and Deaths during 1971 according to Age Group and Sex.

Tuberculosis - Particulars of New Cases and Deaths annually over period of 30 years.

Tuberculosis - Number of Cases on Register during 1971.

CASES OF INFECTIOUS & OTHER NOTIFIABLE DISEASES

NOTIFIED DURING 1971

Notifiable Diseases	Total Cases	Age Period - Years											
		0-	1-	2-	3-	4-	5-	10-	15-	25 and over			
Measles (excluding rubella)	40	6	4	9	5	5	9	1	1	-			
Dysentery	2	-	1	-	1	-	-	-	-	-			
Scarlet Fever	10	-	-	-	1	3	4	1	-	1			
Diphtheria	-	-	-	-	-	-	-	-	-	-			
Acute meningitis	-	-	-	-	-	-	-	-	-	-			
Acute poliomyelitis -													
Paralytic	-	-	-	-	-	-	-	-	-	-			
Non-paralytic	-	-	-	-	-	-	-	-	-	-			
Totals	52	6	5	9	7	8	13	2	1	1			
		0-		5-		15-		45-		65 and over			
Acute encephalitis -													
Infective	-	-		-		-		-		-			
Post-infectious	-	-		-		-		-		-			
Leptospirosis	-	-		-		-		-		-			
Paratyphoid Fever	-	-		-		-		-		-			
Typhoid Fever	-	-		-		-		-		-			
Food Poisoning	5	3		-		1		-		1			
Totals	5	3		-		1		-		1			
		0-	1-	2-	5-	10-	15-	20-	25-	35-	45-	55-	65-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-
Infective jaundice	2	-	-	-	-	1	-	1	-	-	-	-	-
Tuberculosis -													
Respiratory	15	-	-	2	-	4	4	1	-	-	1	1	2
Meninges and C.N.S.	1	-	-	-	-	-	-	-	-	1	-	-	-
Other	6	-	-	-	-	1	-	1	-	3	1	-	-
Whooping Cough	9	3	1	5	-	-	-	-	-	-	-	-	-
Totals	33	3	1	7	-	6	4	3	-	4	2	1	2
Smallpox	-												
Ophthalmia neonatorum	2												
Anthrax	-												
Yellow Fever	-												
Malaria	-												
Grand Total	92												

INFECTIOUS AND OTHER NOTIFIABLE DISEASES - NOTIFICATIONS

Comparison of 1971 figures with those of the previous 5 years and average

Notifiable Diseases	Notifications received during					Total for 5 yrs	Average number per year	Notifications 1971
	1966	1967	1968	1969	1970			
Measles (excluding Rubella)	462	12	119	33	175	801	160.2	40
Dysentery	1	10	-	1	1	13	2.6	2
Scarlet Fever	9	-	5	1	3	18	3.6	10
Diphtheria	-	-	-	-	-	-	-	-
Meningococcal Infection (a)	-	-	-	-	-	-	-	-
Acute Meningitis	-	-	-	-	2	2	0.4	-
Acute Poliomyelitis -								
Paralytic	-	-	-	-	-	-	-	-
Non-Paralytic	-	-	-	-	-	-	-	-
Acute Encephalitis -								
Infective	-	-	-	-	-	-	-	-
Post Infectious	-	-	-	-	-	-	-	-
Acute Pneumonia (a)	1	-	1	-	-	2	0.4	-
Leptospirosis	-	-	-	-	-	-	-	-
Paratyphoid Fever	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-
Food Poisoning	4	1	3	2	5	15	3.0	5
Erysipelas (a)	-	-	-	-	-	-	-	-
Puerperal Pyrexia (a)	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-
Infective Jaundice	-	-	-	-	1	1	0.2	2
Tuberculosis -								
Respiratory	6	7	8	14	19	54	10.8	15
Meninges & C.N.S.	-	-	-	-	-	-	-	1
Other	3	6	4	10	10	33	6.6	6
Whooping Cough	-	21	3	-	8	32	6.4	9
Ophthalmia Neonatorum	1	-	-	-	-	1	0.2	2
Smallpox	-	-	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-
Malaria	-	-	-	1	-	1	0.2	-
Totals	487	57	143	62	224	973	194.6	92

(a) Not notifiable from 1st October, 1968

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

MONTHLY INCIDENCE OF NOTIFIED CASES DURING 1971

Notifiable Diseases	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
Measles (excluding Rubella)	1	6	13	9	1	4	-	3	1	1	-	1	40
Dysentery	-	-	-	-	-	-	1	-	-	1	-	-	2
Scarlet Fever	-	1	-	2	1	-	-	-	-	-	3	3	10
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Meningitis	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Poliomyelitis - Paralytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-paralytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Encephalitis - Infective	-	-	-	-	-	-	-	-	-	-	-	-	-
Post-Infectious	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptospirosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Paratyphoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning	-	-	-	2	-	3	-	-	-	-	-	-	5
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-
Infective Jaundice	-	1	-	1	-	-	-	-	-	-	-	-	2
Tuberculosis - Respiratory	2	-	3	-	3	4	2	1	-	-	-	-	15
Meninges & C.N.S.	-	-	-	-	-	-	1	-	-	-	-	-	1
Other	1	-	1	-	-	-	-	1	-	1	1	1	6
Whooping Cough	2	3	1	1	-	-	-	-	-	1	1	-	9
Ophthalmia Neonatorum	-	-	-	-	-	2	-	-	-	-	-	-	2
Smallpox	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	6	11	18	15	5	13	4	5	1	4	5	5	92

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

COMPARISON OF CASE RATES FOR CERTAIN DISEASES NOTIFIED DURING

THE YEAR 1971

Notifications (Corrected)	(1) England and Wales		(2) Nelson	
	Number of notifs.	Rate per 1,000 home population	Number of notifs.	Rate per 1,000 home population
Measles	135,204	2.770	40	1.267
Dysentery	10,684	0.219	2	0.063
Scarlet Fever	12,481	0.256	10	0.317
Whooping Cough	16,792	0.344	9	0.285
Infective Jaundice	14,118	0.289	2	0.063
Tuberculosis -				
Respiratory	9,136	0.187	15	0.475
Meninges and C.N.S.	123	0.003	1	0.032
Other forms	2,459	0.050	6	0.190
Diphtheria	17	0.000	-	-
Tetanus	29	0.001	-	-
Acute Meningitis	1,867	0.038	-	-
Acute Encephalitis -				
Infective	103	0.002	-	-
Post Infectious	51	0.001	-	-
Ophthalmia Neonatorum	418	0.009	2	0.063
Acute Poliomyelitis -				
Paralytic	7	0.000	-	-
Non-paralytic	1	0.000	-	-
Leptospirosis	16	0.000	-	-
Paratyphoid Fever	95	0.002	-	-
Typhoid Fever	134	0.003	-	-
Food Poisoning	6,727	0.138	5	0.158
Anthrax	4	0.000	-	-
Smallpox	-	-	-	-
Plague	-	-	-	-
Cholera	3	0.000	-	-
Typhus Fever	-	-	-	-
Relapsing Fever	1	0.000	-	-
Yellow Fever	-	-	-	-

(1) Provisional figures based on Registrar General's Quarterly Returns

Estimated Home Population Mid-1971 (1) 48,815,000

(2) 31,560

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

ANALYSIS OF NEW CASES OF TUBERCULOSIS AND DEATHS FROM THE
DISEASE ACCORDING TO AGE GROUP AND SEX DURING 1971

Age Periods	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year	-	-	-	-	-	-	-	-
1 year	-	-	-	-	-	-	-	-
2 to 4 years	-	2 (2)	-	-	-	-	-	-
5 to 9 years	-	-	-	-	-	-	-	-
10 to 14 years	3 (3)	1 (1)	-	1 (1)	-	-	-	-
15 to 19 years	3 (3)	1 (1)	-	-	-	-	-	-
20 to 24 years	1 (1)	-	-	1 (1)	-	-	-	-
25 to 34 years	-	-	-	-	-	-	-	-
35 to 44 years	-	-	3 (3)	1 (1)	-	-	-	-
45 to 54 years	1 (1)	-	1 (1)	-	-	-	-	-
55 to 64 years	1	-	-	-	-	-	-	-
65 to 74 years	2	-	-	-	-	-	-	-
75 and upwards	-	-	-	-	-	-	-	-
Totals	11 (8)	4 (4)	4 (4)	3 (3)	-	-	-	-
	15 (12)		7 (7)		-		-	

Numbers in brackets denote Commonwealth Immigrants included

INFECTIOUS AND OTHER NOTIFIABLE DISEASESTUBERCULOSISPARTICULARS OF NEW CASES AND DEATHS OVER PERIOD OF 30 YEARS

1. NEW CASES						Rate per
Year	Respiratory		Non-respiratory		Total	1,000 Population
	Male	Female	Male	Female		
1971	11	4	4	3	22	0.70
1970	16	3	4	6	29	0.94
1969	7	7	3	7	24	0.77
1968	2	6	1	3	12	0.39
1967	5	2	5	1	13	0.42
1966	5	1	1	2	9	0.29
1965	5	-	5	1	11	0.35
1964	11	-	2	2	15	0.47
1963	2	1	2	-	5	0.16
1962	12	9	3	-	24	0.75
1961	3	3	2	1	9	0.28
1960	7	7	3	-	17	0.54
1959	10	5	3	1	19	0.59
1958	17	15	-	2	34	1.06
1957	9	5	1	1	16	0.49
1956	10	10	-	2	22	0.67
1955	14	10	1	1	26	0.78
1954	12	13	1	3	29	0.86
1953	7	16	3	1	27	0.80
1952	12	12	5	2	31	0.91
1951	14	8	6	7	35	1.02
1950	13	4	6	7	30	0.86
1949	24	15	4	9	52	1.50
1948	22	10	4	7	43	1.24
1947	12	9	2	4	27	0.79
1946	25	6	3	9	43	1.31
1945	16	9	4	10	39	1.25
1944	18	9	3	11	41	1.30
1943	19	5	11	7	42	1.32
1942	20	8	6	9	43	1.31

2. DEATHS

1971	-	-	-	-	-	-
1970	-	-	-	1	1	0.03
1969	1	-	-	-	1	0.03
1968	-	-	-	-	-	-
1967	-	-	-	-	-	-
1966	2	-	-	-	2	0.06
1965	1	-	-	-	1	0.03
1964	1	-	-	-	1	0.03
1963	1	-	-	-	1	0.03
1962	-	-	-	-	-	-
1961	1	-	-	-	1	0.03
1960	1	1	-	-	2	0.06
1959	1	-	1	-	2	0.06
1958	1	-	-	-	1	0.03
1957	3	1	1	-	5	0.15
1956	4	3	-	-	7	0.21
1955	2	1	-	-	3	0.09
1954	-	2	1	-	3	0.09
1953	5	1	1	-	7	0.21
1952	9	2	-	-	11	0.32
1951	4	2	1	1	8	0.23
1950	5	8	-	-	13	0.37
1949	12	5	2	2	21	0.60
1948	11	8	2	2	23	0.66
1947	3	4	-	-	7	0.21
1946	9	3	2	1	15	0.45
1945	10	3	-	3	16	0.50
1944	14	3	1	1	19	0.60
1943	7	5	5	1	18	0.57
1942	6	4	1	3	14	0.43

INFECTIOUS AND OTHER NOTIFIABLE DISEASESTUBERCULOSISNUMBER OF CASES ON TUBERCULOSIS REGISTER DURING 1971

	Pulmonary			Non-Pulmonary			Total		
	M.	F.	Total	M.	F.	Total	M.	F.	Total
<u>Number of cases on register at commencement of year</u>	65	38	103	24	23	47	89	61	150
<u>Number of cases added to register during the year:-</u>									
(a) New Cases	11	4	15	4	3	7	15	7	22
(b) Inward transfers from other districts	3	1	4	-	-	-	3	1	4
(c) Other	-	-	-	-	-	-	-	-	-
<u>Total Cases</u>	79	43	122	28	26	54	107	69	176
<u>Number of cases removed from register during year:-</u>									
(a) Died	1	-	1	-	-	-	1	-	1
(b) Recovered	2	2	4	-	-	-	2	2	4
(c) Left District	2	2	4	-	-	-	2	2	4
<u>Total deletions</u>	5	4	9	-	-	-	5	4	9
<u>Number of cases on register at end of year</u>	74	39	113	28	26	54	102	65	167

ANNUAL REPORT
OF THE
SENIOR PUBLIC HEALTH INSPECTOR
FOR THE YEAR ENDED
31st DECEMBER, 1971

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting my Annual Report on the environmental services provided by this Department.

SMOKE CONTROL

As stated elsewhere in the Report, the confirmation of the last Smoke Control Order was received in November. When this order becomes operative on 1st July, 1973, all the urban area of the Borough will be smokeless. Already the benefits arising from the reduction of atmospheric pollution are obvious in that the pall of smoke which used to hang over the valley on a still day is no longer to be seen.

The speed at which this programme has been implemented is a remarkable achievement both for the Council and the staff of the Health Department. This is more easily appreciated when one considers that the first Order was confirmed early in 1966 and that in eight years almost 12,500 dwellings will have been converted to burn smokeless fuel.

HOUSING

The removal of poor housing is a national problem and Nelson is no exception.

During October confirmation of the Grove Street and Southfield Street Compulsory Purchase Order was received. This is the first stage of a programme to rid four areas of sub-standard housing from the Borough.

ACCUMULATIONS OF RUBBISH

Vacant houses, which are subjected to vandalism and become derelict, continue to be a problem. This is especially so as the yards provide an ideal site for dumping old mattresses, furniture and other general rubbish. During the year the staff of the Cleansing Department removed many such accumulations in appalling conditions at the request of the Health Department, and I offer my thanks for the speedy and efficient manner that these were dealt with.

As can be seen in the Report the Health Department staff have been active throughout the year, striving to improve the environment of the inhabitants of the Borough.

I am grateful for the backing given to me by the Chairman and Members of the Health Committee and the goodwill of other Chief Officials, to whom I offer my thanks.

I have the honour to be, Ladies and Gentlemen,

Your obedient Servant,

F. GRINDROD

Senior Public Health Inspector.

SECTION D

SANITARY CIRCUMSTANCES OF THE AREA

WATER SUPPLY

The water undertaking for the Borough is the North Calder Water Board. This was constituted in 1960 and under normal conditions supplies an area comprised of the Boroughs of Nelson and Colne, the Urban Districts of Barrowford, Brierfield and Trawden and the eastern part of Burnley Rural District.

The moorland gathering grounds are situated on either side of the area supplied and cover 5,000 acres. Total storage capacity of the Board is 554.3m. gallons, comprised of five storage reservoirs (410.3m.), three compensation reservoirs (131m.) and six service reservoirs (13m.). The other sources of supply include springs and two boreholes, having a potential yield of 1,650,000 gallons per day.

Before going into supply, all raw water is filtered and chlorinated. In order to utilise the available head from service reservoirs, the area of supply is divided according to locality and altitude. Pumping Stations are used in three areas outside the Borough.

Throughout the year the water supplied has been satisfactory in both quality and quantity. Forty-six samples of raw water were submitted for bacteriological examination and two samples were submitted for chemical analysis, all giving satisfactory results. One hundred and ninety nine samples of treated water were submitted for bacteriological examination, when eleven samples gave an unsatisfactory result. Eleven samples were submitted for chemical analyses and one sample was reported as unsatisfactory. The natural fluoride content of the supply varies from 0.08 to 0.16 p.p.m. according to source and there is no tendency to plumbo-solvency.

Twenty-three houses in the rural area remote from the mains supply are served by private water supplies, the remaining houses in the Borough are supplied by mains water. Eighty-five new dwellings were connected to the mains supply during the year when 1,095 yards of new mains were laid. Extensions of water mains to existing dwellings totalled 205 yards and mains extension to industrial development totalled a further 208 yards.

DRAINAGE AND SEWERAGE

Except for isolated properties in the remote rural areas, the whole of the urban part of the Borough is drained and sewered. The Borough Engineer and Surveyor controls the sewage works at Lindred just outside the Borough boundary. The estimated sewage per head of population per day is 54.6 gallons with a daily dry weather flow of 1.75m. gallons.

The treatment of the sewage is by screening, settlement in detritus tanks, sedimentation tanks, percolating filters and humus tanks. In dry weather part of the final effluent is recirculated. Storm water is discharged into Pendle Water after passing through settlement tanks. The final effluent is discharged either into Pendle Water or, by agreement with the Central Electricity Authority, may be pumped into the Leeds and Liverpool Canal to serve as compensation water to replace that withdrawn from the Canal at Huncoat Electricity Generating Station. During the winter months liquid sludge is pumped onto surrounding agricultural land, but during summer months is stored in digestion tanks and made available for horticultural and agricultural use.

Eighty-eight new dwellings were connected to the sewerage system during the year and three existing dwellings in rural areas, were connected to septic tanks installations.

RIVERS AND STREAMS

The Lancashire Rivers Board is the authority responsible for water courses within the Borough.

SANITARY ACCOMMODATION

No. of privy middens	3
No. of closets attached to these middens	3
No. of pail closets	9
No. of movable dustbins, etc	14,145
No. of waste water closets	2,197
No. of fresh water closets	11,164

Conversions during 1971:-

No. of privy closets to fresh water closets	Nil
No. of privy closets to pails	Nil
No. of pail closets to fresh water closets	3
No. of waste water closets to fresh water closets	140
No. of premises at which movable dustbins, etc. were substituted for fixed receptacles	63

The above figures relate to sanitary accommodation at all premises at the end of the year.

There were 12 dwellings not on the water carriage system.

PUBLIC CLEANSING

A separate department under the control of the Director of Cleansing, the Cleansing Department is responsible for the collection and disposal of household and trade refuse, street cleaning, cleansing of and repairs to drainage and the maintenance of public conveniences. In addition, the Cleansing Department provide and maintain the Council's transport fleet and have provided a vehicle testing station approved by the Ministry of Transport.

The collection of household refuse is maintained at weekly intervals as far as circumstances permit. The composition of household refuse has altered over the past few years with a tendency towards lighter, more bulky refuse. This is accounted for by the increased use of gas and electric heating in houses affected by the Council's Smoke Control programme and the increasing use of packaging of consumer goods and food. Greater use of compression type collection vehicles has enabled this increased volume of refuse to be collected without increasing the number of vehicles or the manpower involved.

Trade refuse is collected weekly and putrescible refuse is collected twice weekly, both collections being charged for. Traders may also deliver refuse direct to the Tip, being charged 10p. per ton for this facility.

Unwanted furniture and household effects are removed free of charge. This service is widely used but indiscriminate dumping of such items still occurs.

All refuse is disposed of by controlled tipping at Waidshouse Quarry, together with refuse from Brierfield and Padiham Urban Districts and part of Burnley Rural District.

PUBLIC HEALTH INSPECTIONS

5,136 premises were visited for various reasons during the year, the total number of visits made being 8,038. These figures show a 36% decrease over the previous year, although the number of defects discovered was, at 707, a 43% increase on the number found in 1970. Similarly, the number of defects remedied was, at 387, a 76% increase on the previous year.

Informal Notices were served on 228 occasions and Statutory Notices were issued in respect of 130 cases. Of the Statutory Notices issued, 62 were in respect of blocked or leaking drainage. No legal proceedings were instituted during the year.

The following table classifies the visits made to the various types of premises during year.

	<u>INSPECTIONS</u>	<u>RE-INSPECTIONS</u>
Animal Boarding Establishments	2	-
Bakehouses	29	8
Boiler Plants Inspected	7	5
Butchers' Shops	25	5
Closet Conversions - W.W.C./F.W.C.	140	77
Closets, Water	13	19
Closets, Waste Water	45	45
Closets, Pail	1	-
Complaints Received	633	1027
Complaints Confirmed	405	66
Drains Inspected:		
Drains Olfactory Test	2	2
Drains Colour Test	262	217
Drains Defective	229	272
Educational Talks Given	16	2
Farms - Brucellosis	1	-
Fish Frying Establishments	17	3
Food (Preserved) Manufacturers	3	1
Food Catering Establishments	39	10
Food Shops and Warehouses	49	10
Factories - Power	68	29
Factories - Non-Power	2	8
Fishmongers' Shops	6	-
Hawkers' Vans	18	3
Houses Defective	95	462
Houses Detailed Inspection	79	21
Houses Overcrowding	1	1
Ice-Cream Retailers	10	1
Infectious/Notifiable Diseases	13	3
Insect Infestations	49	6
Interviews	162	-
Markets	2	-
Meat and Food Inspections	237	2
Meat and Food Condemnations	225	1
Meetings With Owners	142	8
Meetings With Contractors	94	42
Miscellaneous	683	349
Milk Producers/Retailers	3	-
Notices Served:		
Verbal	36	-
Informal	192	-
Statutory P.H.A.	130	-
Offensive Accumulations	41	155
Offices, Shops and Railway Premises Act:		
Offices		
Inspections	26	-
Visits	56	1
Retail Shops		
Inspections	46	2
Visits	113	-
Wholesale Shops and Warehouses		
Inspections	4	-
Visits	10	2
Catering Establishments & Canteens		
Inspections	46	3
Visits	55	24
Fuel Storage Depots		
Inspections	-	-
Visits	-	-
Pet Stores	10	7
Public Houses	22	1
Rats and Mice	164	56

Refuse Tip	14	1
Samples Submitted:		
Ice Cream	20	-
Milk	38	-
Water, etc	110	-
Sewers	1	1
Slaughterhouses	99	-
Smoke Control Areas:		
Inspections	2,235	-
Visits	1,305	1
Interviews	320	-
Smoke Observations	6	-
Watercourses	3	-
Water Supply	9	16
Work Places	-	7

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

Thirty-seven new registrations of premises under the above Act were received during the year, but 30 premises ceased, for various reasons, to be registrable. There was thus a net increase of 7 premises subject to the provisions of the Act, making a total of 273 premises on the register at year end. The number of visits and inspections made during the year was 388.

REGISTRATIONS AND GENERAL INSPECTIONS

Class of premises	Number of premises registered during the year	Total number of registered premises at year end	Number of registered premises receiving a general inspection during the year
Offices	13	70	26
Retail Shops	15	165	46
Wholesale shops and warehouses	3	17	4
Catering establishments and canteens	6	21	46
Fuel storage depots	-	-	-
Totals	37	273	122

Number of visits of all kinds by Inspector to registered premises - 388

No applications for exemption from certain of the provisions of the Act were received during the year.

The following table shows the nature of the 97 defects found and the 19 defects remedied during 1971.

Section	Contraventions		
		Found	Remedied
4	Cleanliness	5	-
5	Overcrowding	-	-
6	Temperature	20	3
7	Ventilation	-	-
8	Lighting	2	1
9	Sanitary Conveniences	12	3
10	Washing Facilities	1	1
16	Floors, Passages, and Stairs	6	3
24	First Aid	22	3
50	Information for employees	29	5

No prosecutions under the Act were found necessary during the year.

Five accidents, all non-fatal, were reported during the year. Two of the accidents were caused by employees cutting themselves whilst boning meat, and two accidents were caused by employees slipping. In the remaining case, the employee strained herself in moving packaged goods.

ATMOSPHERIC POLLUTION

For the first three months of the year, the Smoke Control Programme was temporarily suspended due to the shortage of solid smokeless fuel which occurred in the Autumn of the previous year. In spite of this set-back to their programme, the Council made the No.7 Smoke Control Order in June and confirmation for this Order was received in November. The date of operation of this Order is 1st July, 1973, when all the urban area of the Borough will be covered by operative smoke control orders.

Smoke Control Area No.	Date Confirmed	Date Effective	Industrial Premises	Commercial Premises	Private Dwellings	L.A. Dwellings	Other Premises	Total Premises	Acreage
1	25. 3.66	1.10.66	-	1	200	382	8	591	147
2	25.10.66	1. 9.67	13	16	1176	90	5	1,300	123
3	17.10.67	1. 9.68	34	180	1606	139	42	2,001	149
4	23.12.68	1. 9.69	73	339	2165	59	49	2,685	266
5	28.11.69	1. 4.71	19	9	2100	25	16	2,169	506
6	23.10.70	1. 7.72	23	34	2972	120	21	3,170	411
7	9.11.71	1. 7.73	4	6	561	839	2	1,412	454
1-7 inc.	Totals		166	585	10,780	1,654	143	13,328	2,056

On the industrial front, pollution has been further reduced by the replacement of two under-loaded Lancashire boilers which emitted large amounts of dark smoke by two smaller, oil-fired package boilers. With the changing pattern of industry in the Borough and the swing away from textiles, large boilers are no longer required to supply steam for factory heating and process work. In order that emissions of smoke are kept to a minimum, industrialists are being pressed to replace existing obsolete boiler plants with modern, efficient, steam-raising units.

SWIMMING BATHS AND POOLS

The three public swimming baths and pools in the district are all owned by the Corporation. The open air pool is situated in Marsden Park and proves very popular during the summer season. The Public Baths in Bradley Road contain two plunge baths, one 75 feet by 30 feet, and one 50 feet by 20 feet. Additional facilities at the Public Baths include Sauna baths, 18 slipper baths and a Cafe.

Town mains water supply is used in both premises with filtration plant in continuous use giving a six-hourly cycle at the Open Air Pool and a three-hour cycle at the Public Baths for the large pool, with a one-hour cycle for the small pool.

Seventy samples of swimming bath water were submitted for bacteriological examination when all but six samples returned a satisfactory result.

DISINFESTATION

As has been the pattern for several years, the number of premises treated for bedbugs or fleas, remained at a low level. However, the number of houses treated for household pests such as cockroaches, silver fish and wasps nests increased. Twenty houses, nine of them Council houses, were treated for bugs or fleas and 95 houses and 11 schools were disinfested of pests such as cockroaches.

One pattern which emerged during the year was the rise in the number of cockroach infestations in private houses. These were mainly in terraced houses in which central heating had been installed.

The disinfestation service undertaken by the Department is free of charge to householders.

RODENT CONTROL

One full-time rodent operative is employed by the Public Health Department, and the following table shows the work undertaken in this connection during the year.

	Type of Property	
	Non-agricultural	Agricultural
No. of properties in district	15,973	68
No. of properties inspected	536	4
No. of properties inspected which were found to be infested by:		
Rats	134	4
Mice	402	-
Total number of properties inspected for rats and/or mice for reasons other than notification	-	-
No. of properties infested by:		
Rats	-	-
Mice	-	-

SCHOOLS

Conditions at the 25 schools remained satisfactory.

OFFENSIVE TRADES

There are no offensive trades established within the district.

FACTORIES ACT, 1961

1. Inspections for the purposes of provisions as to health.

Premises	Number of Premises	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1,2,3,4, and 6 are to be enforced by Local Authorities...	11	10	-	-
(ii) Factories not included in (i) in which section 7 is enforced by the Local Authority	101	97	13	-
(iii) Other premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	-	-	-	-
Totals	112	107	13	-

2. Cases in which defects were found.

Particulars	Number of cases in which defects were found				Number of cases in which prosecutions were instituted
	Found	Remedied	To H. M. Inspector	By H. M. Inspector	
Want of cleanliness (S.1).....	-	-	-	-	-
Overcrowding (S.2)	-	-	-	-	-
Unreasonable temperature (S.3)	-	-	-	-	-
Inadequate ventilation (S.4) ..	-	-	-	-	-
Ineffective drainage of floors (S.6)	-	-	-	-	-
Sanitary conveniences (S.7) -					
(a) Insufficient	1	-	-	-	-
(b) Unsuitable or defective ..	13	6	-	3	-
(c) Not separate for sexes ...	-	-	-	-	-
Other offences against the Act (not including offences relating to out-work)	2	2	-	-	-
Totals	16	8	-	3	-

No notifications of outworkers were received during the year.

COMMON LODGING HOUSES AND HOUSES LET IN LODGINGS

There are no such premises within the district.

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

Two premises are registered under the Act.

CHIEF SANITARY REQUIREMENTS OF THE DISTRICT

As in previous years, the improvement of ablution facilities in the poorer type of properties, together with the abolition of the obsolete waste water closets, still remain the chief sanitary requirements of the district.

The increased financial aid now being offered under Improvement Grant schemes for the provision of bathrooms and the improvement of properties has been well received by the householders in the Borough. This has been reflected in the number of applications received for grant and is perhaps, the sign of the affluent society trying to rid itself of the "convenience" in the rear yard.

SECTION E

HOUSING

HOUSING

174 dwellings were inspected for housing defects during the year when 129 were found to be not reasonably fit for human habitation by reason of the 438 defects found. In this connection, a total of 274 notices were served during the year, 130 being Statutory notices and 60 of these related to drainage defects. The total number of visits made during the year for housing purposes was 657.

159 applications for improvement grant in respect of private houses were submitted and 158 of these were approved. Improvement schemes in respect of 117 Local Authority owned dwellings were submitted to the Ministry, approval being given on 107 and work completed in 31 cases. Standard grant applications numbered 279 and in 178 cases work was completed.

65 new houses were erected during the year by the Local Authority and 23 houses were built by private builders.

Following a Public Inquiry in June, official confirmation of the Grove Street and Southfield Street (No.12) Clearance Area was received in October.

The following table shows defects found and remedied in dwellings during the period under review.

	<u>Found : Remedied</u>		<u>Found in 1970</u>
	<u>During 1971</u>		<u>Remedied in 1971</u>
<u>Roofs, etc.</u>			
Defective roof	21	7	17
Defective chimney	13	8	5
Defective eaves gutters	29	9	10
Defective rainwater downspout ..	11	5	11
<u>Walls, External</u>			
Defective pointing	9	-	6
Defective damp-proofing	5	-	5
<u>Doors</u>			
Defective door/door frame	23	1	2
Defective weather-bar	4	-	4
<u>Windows</u>			
Defective window frame/sashes ..	61	13	15
<u>Ceilings</u>			
Defective ceiling plaster	17	12	3
<u>Walls, Internal</u>			
Defective wall plaster	40	23	11
<u>Floors</u>			
Defective flag floor	2	1	1
Defective wood floor	4	1	1
Defective skirting board	1	-	-
<u>Staircases</u>			
Defective handrail	2	-	-
Defective staircase	2	-	-

	<u>Found</u>	<u>: Remedied</u>	<u>Found in 1970</u>
	<u>During 1971</u>		<u>Remedied in 1971</u>
<u>Firegrates, Flues, Etc.</u>			
Defective fireback	2	2	-
Defective flue	2	2	-
<u>Sinks, Baths, Etc.</u>			
Defective sink	3	1	-
Defective waste pipes	17	8	4
<u>Drainage</u>			
Defective drainage	26	20	-
Obstructed drainage	34	25	-
<u>Sanitary Accommodation</u>			
Defective roof	4	1	2
Defective wall	10	7	1
Defective door	13	4	1
Defective/absent closet seat	6	2	-
Defective water closet flush	6	4	2
Blocked closet pedestal	4	3	1
<u>Yards</u>			
Defective yard surface	3	2	-
Defective yard gate	5	2	2
Dirty condition of/refuse in yard	47	41	4
<u>Miscellaneous</u>			
Access to trespassers	6	5	-
Accumulation of refuse in house	4	4	-
Inadequate water supply	2	2	-

HOUSING STATISTICS

	<u>Houses</u>	<u>Flats</u>
Number of new dwellings erected during the year:-		
(i) By the Local Authority	65	-
(ii) By other Local Authorities	-	-
(iii) By other bodies or persons	23	-
Total number of dwellings owned by any local authority existing in district at end of year		
	1,770	
Inspections of dwellings during the year:-		
(i) (a) Total number of dwellings inspected formally or informally for housing defects (under Public Health or Housing Acts)	174	
(b) Number of inspections, formal or informal, made for the purpose	657	
(c) Number of dwellings in (a) above found to be not in all respects reasonably fit for human habitation but capable of being rendered fit	129	
(ii) Total number of dwellings existing at end of year which were unfit for human habitation and not capable at reasonable expense of being rendered fit and in respect of which:-		
(a) Demolition, Clearance or Closing Orders have been made (at any time)	70	
(b) Demolition, Clearance or Closing Orders have not yet been made	-	

Houses Demolished:

<u>In or adjoining Clearance Areas:-</u>	<u>Houses Demolished</u>	<u>Displaced during year</u>	
		<u>Persons</u>	<u>Families</u>
(1) Houses unfit for human habitation	21)		
(2) Houses included by reason of bad arrangements, etc.	-)	5	4
(3) Houses on land acquired under S.43(2) Housing Act, 1957	-)		

Not in or adjoining Clearance Areas:-

(4) As a result of formal or informal procedure under S.16 or S.17 (1) Housing Act, 1957	4)		
(5) Local Authority owned houses certified unfit by the M.O.H. ...	-)		
(6) Houses unfit for human habitation where action has been taken under local Acts	-)	-	-
(7) Unfit houses included in Unfitness Orders	-)		

Unfit Houses Closed:-

	<u>Number</u>	<u>Displaced during year</u>	
		<u>Persons</u>	<u>Families</u>
(1) Under S.16(4), S.17(1) and S.35(1), Housing Act, 1957, and S.26 Housing Act, 1961	2)		
(2) Under S.17(3) and S.26 Housing Act, 1957	-)	-	-
(3) Parts of buildings closed under S.18, Housing Act, 1957	-)		

Unfit Houses made fit:-

	<u>Number</u>
(1) By owner after informal action by local authority	-
(2) After formal notice under S.9 and S.16, Housing Act, 1957:	
(a) By owner	-
(b) By local Authority	-
(3) After formal notice under Public Health Acts	-
(4) After modification or revocation of a clearance order under S.24, Housing Act, 1961	-
(5) After determination of a demolition order under S.24, Housing Act, 1957	-

Unfit Houses in Temporary Use
(Housing Act, 1957):-

	<u>No. of Houses</u>	<u>No. of separate dwellings contained in column (1)</u>
	(1)	(2)

Position at end of year:-

(1) Retained for temporary accommodation		
(a) Under Section 48	-	-
(b) Under Section 17(2)	-	-
(c) Under Section 46	-	-
(2) Licensed for temporary occupation under Ss.34 or 53	-	-

<u>Purchase of Houses by Agreement:-</u>	<u>No. of Houses</u> (1)	<u>No. of occupants of houses in column (1)</u> (2)
--	-----------------------------	--

Houses in clearance areas other than those included in confirmed clearance orders or compulsory purchase orders, purchased during the year -

Housing (Financial Provisions) Act, 1958, and Housing Act, 1969 - Improvement grants, etc:-

Action during year:-	<u>No. of dwellinghouses or other Buildings affected in schemes of -</u>		
	<u>Owner Occupied</u>	<u>Others</u>	<u>Local Authority</u>
(i) Submitted by private individuals to local authority	159	-	-
(ii) Approved by local authority	158	-	-
(iii) Submitted by local authority to Ministry	-	-	117
(iv) Finally approved by Ministry ...	-	-	107
(v) Work completed	-	-	31
(vi) Additional separate dwellings included in (v) above	-	-	-
(vii) Any other action taken under the Acts	An improvement area commenced by improvement and modernisation of streets.		

House Purchase and Housing Act, 1959 and Housing Acts, 1961, 1964 and 1969 - Standard Grants

Action during year:-	<u>No. of dwellings or other buildings affected</u>	
	<u>Owner Occupied</u>	<u>Others</u>
(a) Applications submitted to local authority for improvement to:-		
(i) Full standard	249	30
(ii) Reduced standard	-	-
(b) Total applications approved by local authority for improvement to:-		
(i) Full standard	248	30
(ii) Reduced standard	-	-
(c) Work completed	172	6
(d) Particulars of any action taken relating to compulsory improvements of dwellings..	None	

Housing Act, 1969 - Special Grants:-

Action during year:-	<u>No. of dwellings or other buildings affected</u>	
	<u>Owner Occupied</u>	<u>Others</u>
(i) Applications submitted to local authority for special grant	-	-
(ii) Applications approved by local authority for improvement by special grant	-	-
(iii) Work completed	-	-

Lancashire County Council (General Powers) Act, 1968, S.17

Particulars of any action during year None

SUFFICIENCY OF SUPPLY OF HOUSES

At the end of the year the Rate Book showed that 477 houses were unoccupied, an increase of 130 on the figure for the previous year. These were mainly of the older stone-built terrace type property, the more modern properties being fully occupied.

The number of Council-owned dwellings at year end showed a net increase of 70 over the previous year's figure, bringing the figure to 1,770. At the commencement of the year there were 472 applications for tenancies of various types of dwellings, and at year end the number of viable applications had reduced to 407.

The following table shows the requirements of applicants for Council dwellings:-

	<u>At commencement of</u> <u>1971</u>	<u>At end of</u> <u>1971</u>
Number of applications	472	407
<u>Type of house required</u>		
(a) Two bedroomed type	114 (24%)	108 (27%)
(b) Three bedroomed type	141 (30%)	74 (18%)
(c) Four bedroomed type	-	-
(d) Old Folks' bungalows	154 (33%)	150 (37%)
(e) Flats	38 (8%)	37 (9%)
(f) Others	25 (5%)	38 (9%)

OVERCROWDING

No cases of statutory overcrowding were encountered during the year.

SECTION F

INSPECTION AND SUPERVISION
OF FOOD

MILK SUPPLY

356 samples of milk were taken during the year for biological examination and the statutory tests. In addition 50 samples of milk, all of which proved satisfactory, were taken by Officers of the Lancashire County Council for chemical analysis. The reports on milk samples taken by the Department are shown below.

Total no. of samples submitted for Biological examination 356	Results		
	Positive	Negative	No result
(i) Tuberculosis	-	24	2
(ii) Brucellosis - Ring Test	49	287	14
(iii) Brucellosis - Culture Test...	31	7	2
(iv) Brucellosis - Biological Test	21	2	4

Samples submitted for Statutory Tests	No. of samples	Results		
		Satisfactory	Unsatisfactory	Void
Raw Milk:-				
(i) Methylene Blue Test	9	7	2	-
Heat Treated Milk:-				
(i) Methylene Blue Test	-	-	-	-
(ii) Phosphatase Test	-	-	-	-
(iii) Turbidity Test	-	-	-	-
(iv) Colony Count Test	-	-	-	-

FOOD INSPECTION

During the year twenty-three complaints in respect of food were made. Foods which had lost condition accounted for the majority of these complaints. It would appear that attempts to educate shopkeepers on the systematic rotation of perishable foods are meeting with limited success.

In all cases, the vendor and manufacturers were interviewed.

Routine inspection of foodstuffs showed the following commodities to be unfit for human consumption. All were surrendered voluntarily.

<u>Type of Food</u>	<u>Containers</u>	<u>Tons</u>	<u>Cwts.</u>	<u>Qtrs.</u>	<u>Lbs.</u>	<u>Ozs.</u>
Fish	1041		3	2	25	8
Fruit	118		1	1	24	6
Meat	1093		12	2	13	4½
Vegetables	696		3	3	9	5½
Miscellaneous	331		6	0	15	15
Totals	3279		1	7	4	7

MEAT INSPECTION

The private slaughterhouse continued in operation during 1971, when all the 2,697 animals slaughtered were subjected to inspection. Throughput showed a decrease of 30%, with a small corresponding decrease in income for meat inspection services to £119.07.

	Cattle excl. Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	145	15	2	2571	261
Number inspected	145	15	2	2571	261
ALL DISEASES EXCEPT TUBERCULOSIS AND CYSTICERCI:					
Whole carcasses condemned	-	-	-	4	-
Carcasses of which some part or organ was condemned	70	9	-	954	14
Percentage of number inspected affected with diseases other than Tuberculosis and Cysticerci	47.3%	60.0%	-	37.3%	5.4%
TUBERCULOSIS ONLY:					
Whole carcasses condemned	-	-	-	-	-
Carcasses of which some part or organ was condemned	-	-	-	1	-
Percentage of number inspected affected with Tuberculosis	-	-	-	0.38%	-
CYSTICERCI:					
Carcasses of which some part or organ was condemned	-	-	-	-	-
Carcasses submitted to treatment by refrigeration	-	-	-	-	-
Generalised and totally condemned	-	-	-	-	-

Meat and offal found to be diseased or parasitic weighed 1 ton 4 cwt. 0 qtrs. 21 lbs., a 21% reduction of the previous year's figure.

FOOD PREMISES

During the year 487 visits were made to various classes of premises where food is handled, when the following contraventions were noted.

	<u>Found : Remedied</u> <u>During 1971</u>		<u>Found in 1970</u> <u>Remedied in 1971</u>
Dirty equipment	5	3	4
Dirty floor	3	1	1
Dirty walls/ceiling	23	16	37
Dirty sanitary accommodation	10	5	6
Defective equipment	10	4	3
Defective floor	4	2	4
Defective walls/ceiling	9	4	3
Defective sanitary accommodation	4	1	-
Defective sink	2	1	3
Defective wash hand basin	2	-	2
Defective hot water supply	11	5	4
Accumulation of rubbish	8	7	1
Absence of protective clothing	1	1	-

No. of food premises, by type of business, in district at year end:-

<u>Type of Business</u>	<u>Number</u>
General grocers and provision dealers	142
Greengrocers and fruiterers (including those selling wet fish, game, etc.)	25
Fishmongers (including those selling poultry, game, etc.)	3
Meat Shops (butchers, purveyors of cooked and preserved meats, tripe, etc.)	55
Bakers and/or confectioners	59
Fried Fish Shops	24
Shops selling mainly sugar confectionery, minerals, ice-cream, etc.	61
Licensed premises, clubs, canteens, restaurants, cafes, snack bars and similar catering establishments	53
Others	7

No. of food premises registered

<u>Type of business</u>	<u>Legislation under which Registration affected</u>	<u>No. registered at end of year</u>	<u>No. of inspections of registered premises during year</u>
Butchers	Lancs. Cty. Cl.	35	30
Bakers and Confectioners/Mixed	(Rivers Bd. and	42	37
Baking and Catering/Cafe	General Powers)	1	1
Mixed and Grocery	Act, 1938 - s.	9	15
Cooked Meats, etc.	116 or Food and	5	10
Ice-Cream Manufacturers	Drugs Act, 1955, s.16	1	-
		—	—
	Totals	93	93
		—	—

FOOD AND DRUGS ACT, 1955

I am indebted to Dr. C. H. T. Wade, County Medical Officer of Health, for the following particulars of samples obtained under the provisions of the Act by officers of the Lancashire County Council.

A total of 97 samples was obtained comprising 50 milks (4 of which were Channel Island milk) and 47 others as follows:-

1 Apple Juice	1 Slimming Biscuits
1 Cider Vinegar	1 Slimming Chocolate
1 Herring Roes, canned	1 Potato & Meat Pie
1 Tomato Paste	1 Almonds
1 Prawns canned	1 Milk Dessert canned
1 Liver Paste canned	1 Custard canned
1 Butozolidin Tablets	1 Blackcurrants canned
1 Cough mixture	1 Beans & Hamburgers canned
1 Extract of Sarsaparilla	1 Lemonade Shandy
1 Honey & Yeast Tablets	1 Christmas Pudding
1 Baby Food	1 Almond & Marzipan
1 Large Sliced Loaf	1 Rum Flavoursing
2 Cream Soda	1 Laxative Pills
1 Part Bag of Sugar	1 Oatcakes
1 Portion of Bilberry tart	1 Milk Shake Flavoursing
1 Tomato juice canned	1 Aspiring Tablets B.P.
1 Grape juice bottle	1 Epsom Salts B.P.
1 Pea Soup with Smoked Ham, canned	1 Analgesic Powders
1 Icing Sugar	1 Seasoning
1 Chutney Sauce	1 Stem Ginger
1 Aspirin Tablets	1 Consomme Madrilene
1 Apple Squash concentrate	1 Ice Lolly Syrup
1 Dried Peas	1 Trifle

I give below details of those samples on which the County Analyst gave adverse reports:-

<u>Sample</u>	<u>Result of Analysis</u>	<u>Action Taken</u>
Extract of Sarsaparilla	The statement "makes four pints of concentrated medicine" constitutes a recommendation as a medicine. The statement of ingredients should therefore include quantitative indications of the amounts present as required by the Pharmacy and Medicines Act 1941 (i.e. either in percentages or in amounts present).	Manufacturer communicated with
Baby Food	Contained 9 milligrams of partially melted polythene film having titanium dioxide filling, forming an irregular shaped "splash". No evidence of any transfer of extractives into the food.	Complainant informed and manufacturer cautioned.
Large Sliced Loaf	Contained $13\frac{1}{2}$ grammes of brown flour which itself had picked up approximately $2\frac{1}{2}\%$ of an oil consisting of about two thirds edible oil and one third clean mineral oil, (i.e. approx. 0.11 grammes of mineral oil in the brown flour and about 0.015% mineral oil in the loaf.	Complainant and Bakery informed.
Part bag of Sugar	Contained 27% of table salt.	Complainant informed.
Trifle	Contained one dead female warehouse moth) (Ephestia Elutella) measuring 8 mls. in length and weighing 2 milligrams).)	Manufacturer cautioned complainants informed.
Portion of Bilberry Tart	Containing one dead worker wasp weighing) 86 mlgr. and measuring 11.5 mls. in length)	
Potato & Meat Pie	Contained a sliver from a piece of above ground potato stem measuring $6\frac{1}{2}$ cms. in length and weighing 65 mgms.	Bakery cautioned complainant informed.
Laxative Pills	Total magnesium (as light magnesium carbonate) 5.7 mgms. per pill compared with declared 2.5 mgms. per pill.	No Action
Informal Milk	Contained 0.3 I.U. Pencillin per ml.	Formal sample obtained.
Consomme Madrilene	Consisted of a clear vegetable soup yet labelled CONSOMME MADRILENE. Code of practice for canned soups and Food Standards Committee Report on Soups (1968) (Appendix 1 para.4) states that the name Consomme should have meat or meat extract as the principle single ingredient and that the name should not be used for clear vegetable soup.	Remainder of stock withdrawn.
Ice Lolly Syrup	Sample label bore no list of ingredients. Ice Lolly syrups are not classified as Soft Drinks and should therefore bear a list of ingredients.	Manufacturer communicated with.

ICE CREAM

Twenty samples of locally manufactured ice-cream were taken which returned thirteen grade 1, one grade 2, two grade 3, and four grade 4 results.

EGG PASTEURISATION PLANTS

There are no such premises in the district, and no samples of liquid egg were obtained during the year.

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